AUTHOR INDEX TO VOLUMES 76 & 77

Adachi, K., see M. Kontani 76&77 (1988) 655
Adrian, G., see H. Adrian 76&77 (1988) 533
Adrian, G., see J.P. Ströbel 76&77 (1988) 536
Adrian, G., H. Adrian, W. Möhle, W. Gerhäuser, M. Lippert, B. Hensel and H. Niederhofer, Irradiation induced disorder effects in heavy fermion systems 76&77 (1988) 642
Adrian, H., G. Adrian, H. Niederhofer, O. Bauer and W. Gerhäuser, Comparison of impurity effects in heavy-fermion systems and high-T_c superconductors 76&77 (1988) 533
Adrian, H., see J.P. Ströbel 76&77 (1988) 536
Adrian, H., see G. Adrian 76&77 (1988) 642
Aeppli, G., E. Bucher, A.I. Goldman, G. Shirane, C. Broholm and J.K. Kjems, Magnetic correlations in UPt_3 and $U_{1-x}Th_xPt_3$ (*Invited paper*) 76&77 (1988) 385
Ahlheim, U., M. Winkelmann, P. van Aken, C.D. Bredl, F. Steglich and G.R. Stewart, Pair breaking in the heavy-fermion superconductors $Ce_{1-x}M_xCu_{2.2}Si_2$ and $U_{1-x}M_xBe_{13}$ (M: Th, La, Y and Gd) 76&77 (1988) 520
Ahlheim, U., see P. van Aken 76&77 (1988) 523
Ahlheim, U., see H. Spille 76&77 (1988) 539
Alario, M.A., see A. del Moral 76&77 (1988) 612
Alekseev, P.A., V.N. Lazukov and I.P. Sadikov, Influence of intermediate valence and Kondo effect on crystal electric field: neutron spectroscopy of $CeNi_5$, $CeCu_5$, $CeAl_3$ compounds with paramagnetic and magnetoactive impurities 76&77 (1988) 423
Algarabel, P.A., see A. del Moral 76&77 (1988) 612
Aliev, F.G., N.B. Brandt, M.K. Zalyalyutdinov, V.V. Moshchalkov and V. Kovacik, Hall effect and magnetotransport of $CeAl_3$ under pressure 76&77 (1988) 272
Aliev, F.G., V.V. Moshchalkov, V.V. Kozyrkov, M.K. Zalyalyutdinov, V.V. Pryadun and R.V. Scolozdra, Transport and magnetic properties of intermetallic systems RNiM (R = U, Ce, Er, Ho, Tm, Yb, Sc, Ti, Zr, Hf; M = Sn, Sb) 76&77 (1988) 295
Aligia, A.A., see V. Zlatić 76&77 (1988) 70
Allen, J.W., Electron spectra of heavy-fermion systems (*Invited paper*) 76&77 (1988) 324
Allenspach, P., see A. Furrer 76&77 (1988) 594
Amato, A., D. Jaccard, J. Sierro, F. Lapierre, P. Haen, P. Lejay and J. Flouquet, Thermopower and magneto-thermopower of $CeRu_2Si_2$ single crystals 76&77 (1988) 263
Amato, A., see J. Flouquet 76&77 (1988) 285
Amato, A., see J. Rossat-Mignod 76&77 (1988) 376
Amitsuka, H., K. Hyomi, T. Nishioka, Y. Miyako and T. Suzuki, Specific heat and susceptibility of $U(Ru_{1-x}Rh_x)_2Si_2$ 76&77 (1988) 168
Amitsuka, H., see K. Hyomi 76&77 (1988) 462
Amoretti, G., A. Blaise, J.M. Fournier, R. Caciuffo, J. Larroque, R. Osborn, A.D. Taylor and Z.A. Bowden, Crystal field excitations in UOS 76&77 (1988) 432
Andersen, O.K., see N.E. Christensen 76&77 (1988) 23
Andersen, O.K., see O. Gunnarsson 76&77 (1988) 30
Ando, K., see T. Furuno 76&77 (1988) 117
Ando, K., see K. Baba 76&77 (1988) 297
Andraka, B., see C. Quitmann 76&77 (1988) 91
Andrei, N., see P. Coleman 76&77 (1988) 504
Arnaudas, J.L., see A. del Moral 76&77 (1988) 612
Aronson, M.C., see H.A. Borges 76&77 (1988) 235
Asano, H., see S. Takayanagi 76&77 (1988) 281
Asayama, K., Y. Kitaoka and Y. Kohori, NMR study of heavy fermion materials (*Invited paper*) 76&77 (1988) 449
Asayama, K., see H. Nakamura 76&77 (1988) 465
Asayama, K., see H. Nakamura 76&77 (1988) 467
Asayama, K., see Y. Kohori 76&77 (1988) 478
Asayama, K., see H. Nakamura 76&77 (1988) 517
Asayama, K., see Y. Kitaoka 76&77 (1988) 527
Awasthi, A.M., see W.P. Beyermann 76&77 (1988) 207
Ayache, C., see R.M. Marsolais 76&77 (1988) 269

Baba, K., K. Ando, A. Ochiai, Y.S. Kwon, M. Saito, M. Tanaka, S. Kunii, T. Suzuki, T. Kasuya and T. Fujimura, Dielectric anomaly in valence fluctuating state of Sm_3Se_4 76&77 (1988) 297
Bąk, Z., see J. Kasperczyk 76&77 (1988) 589
Balle, S., F. López-Aguilar and J. Costa-Quantana, Electronic structure of Re-BaCuO systems 76&77 (1988) 579
Baran, A., Crystal field model applied to $UCu_{4.5}Al_{7.5}$-nearly heavy fermion compound 76&77 (1988) 193
Baran, A., see B. Ptasiewicz-Bak 76&77 (1988) 439
Barbara, B., see E. Gratz 76&77 (1988) 275
Barth, S., H.R. Ott, F.N. Gygax, B. Hitti, E. Lippelt and A. Schenck, μ^+SR-spectroscopy in intermetallic compounds containing heavy-electrons (*Invited paper*) 76&77 (1988) 455

Bastide, C., see A. da Rosa Simões 76&77 (1988) 573

Bauer, E., E. Gratz, N. Pillmayr, D. Gignoux, D. Schmitt, K. Winzer and J. Kohlmann, Heavy fermion behaviour driven by a substitution of Cu by Al or Ga in $CeCu_5$ 76&77 (1988) 125

Bauer, E., E. Gratz, N. Pillmayr, D. Gignoux and D. Schmitt, Heavy fermion behaviour in $Ce(Cu_xGa_{1-x})_2$ 76&77 (1988) 131

Bauer, E., see H. Müller 76&77 (1988) 159

Bauer, E., see E. Gratz 76&77 (1988) 275

Bauer, O., see H. Adrian 76&77 (1988) 533

Becker, K.W., see W. Brenig 76&77 (1988) 252

Becker, K.W., Free energy of strongly correlated electrons 76&77 (1988) 585

Beille, J., see R. Tournier 76&77 (1988) 552

Benakki, M., see M.J. Besnus 76&77 (1988) 471

Besnus, M.J., see A. Najib 76&77 (1988) 135

Besnus, M.J., see J.M. Broto 76&77 (1988) 289

Besnus, M.J., M. Benakki, A. Braghta, H. Danan, G. Fischer, J.P. Kappler, A. Meyer and P. Panissod, Specific heat and NMR of the Kondo system $YbPd_2Si_2$ 76&77 (1988) 471

Beyermann, W.P., A.M. Awasthi, J.P. Carini and G. Grüner, Frequency dependent transport in heavy fermion systems (*Invited paper*) 76&77 (1988) 207

Bezinge, A., see D. Jaccard 76&77 (1988) 255

Bhattacharjee, A.K., see R.M. Marsolais 76&77 (1988) 269

Bickmann, K., see J. Hauck 76&77 (1988) 651

Bischof, B., see J. Hauck 76&77 (1988) 651

Blaise, A., see G. Amoretti 76&77 (1988) 432

Bloom, S.H., see C.-S. Jee 76&77 (1988) 617

Blumenröder, S., H. Brenten, E. Zirngiebl, R. Mock, G. Güntherodt, J.D. Thompson, Z. Fisk and J.R. Naegele, Light scattering in heavy fermion compounds (*Invited paper*) 76&77 (1988) 331

Boer, R.A., see M. van Sprang 76&77 (1988) 229

Böhm, A., R. Caspary, U. Habel, L. Pawlak, A. Zuber, F. Steglich and A. Loidl, Thermodynamic properties of the ternary compounds CeM_2Ge_2 76&77 (1988) 150

Bonnet, M., see M. Jerjini 76&77 (1988) 405

Bonville, P., J.A. Hodges, F. Hulliger, P. Imbert, G. Jéhanno, J.B. Marimon da Cunha and H.R. Ott, ^{170}Yb Mössbauer study of the heavy-electron pnictides YbP, YbAs and YbSb 76&77 (1988) 473

Booysen, R.G. and P. de V. du Plessis, Anomalous resistivity of CeIn 76&77 (1988) 283

Borges, H.A., J.D. Thompson, M.C. Aronson, J.L. Smith and Z. Fisk, Electrical resistivity of $U_{1-x}M_xBe_{13}$ under pressure 76&77 (1988) 235

Bouwer, J.B., see L. Havela 76&77 (1988) 89

Bouwer, J.B., see P.A. Veenhuizen 76&77 (1988) 165

Bowden, Z.A., see G. Amoretti 76&77 (1988) 432

Braghta, A., see M.J. Besnus 76&77 (1988) 471

Brandt, B.L., see G.R. Stewart 76&77 (1988) 484

Brandt, N.B., see F.G. Aliev 76&77 (1988) 272

Bredl, C.D., see U. Ahlheim 76&77 (1988) 520

Bredl, C.D., see P. van Aken 76&77 (1988) 523

Bredl, C.D., see H. Spille 76&77 (1988) 539

Brenig, W. and K.W. Becker, Quasiparticle interaction induced damping of low-energy optical plasmons in heavy-fermion systems 76&77 (1988) 252

Brenten, H., see S. Blumenröder 76&77 (1988) 331

Briggs, A., see J.P. Brison 76&77 (1988) 243

Brison, J.P., see J. Souletie 76&77 (1988) 123

Brison, J.P., A. Briggs, J. Flouquet, F. Lapierre, Z. Fisk and J.L. Smith, Magnetoresistivity and Hall experiments on UBe_{13} 76&77 (1988) 243

Brison, J.P., A. Ravex, J. Flouquet, Z. Fisk and J.L. Smith, Field dependence of the specific heat of UBe_{13} 76&77 (1988) 525

Broholm, C., see J.K. Kjems 76&77 (1988) 371

Broholm, C., see G. Aeppli 76&77 (1988) 385

Broto, J.M., F. Gonzalez-Jimenez, A. Fert, J. Sanchez, M.J. Besnus and J.P. Kappler, Magnetotransport properties of the Kondo lattice $YbPd_2Si_2$, evidence for a new phase below 1.4 K 76&77 (1988) 289

Brück, E., see L. Havela 76&77 (1988) 89

Bruls, G., see D. Weber 76&77 (1988) 315

Brunnet, L.G., J.R. Iglesias, R. Ribeiro-Teixeira, A. da Rosa Simões, M.A. Gusmão and B. Coqblin, Dynamical and static susceptibility of anomalous rare-earth systems 76&77 (1988) 396

Bucher, E., see J. Odin 76&77 (1988) 223

Bucher, E., see D. Weber 76&77 (1988) 315

Bucher, E., see G. Aeppli 76&77 (1988) 385

Bucher, E., see A. Loidl 76&77 (1988) 441

Burlet, P., see S. Quezel 76&77 (1988) 403

Burlet, P., see M. Jerjini 76&77 (1988) 405

Burriel, R., see G.W. Crabtree 76&77 (1988) 547

Buschow, K.H.J., see L. Havela 76&77 (1988) 89

Buschow, K.H.J., see P.C.M. Gubbens 76&77 (1988) 187

Caciuffo, R., see G. Amoretti 76&77 (1988) 432

Carini, J.P., see W.P. Beyermann 76&77 (1988) 207

Caspary, R., see A. Böhm 76&77 (1988) 150

Caspary, R., see G. Sparn 76&77 (1988) 153

Chang, C.L., see S. Horn 76&77 (1988) 591

Chilton, J.A., B.R. Coles, M.J. Mortimer and R.O.A. Hall, Low temperature behaviour and spin fluctuations in UPt_3 alloys 76&77 (1988) 171

Christensen, N.E., O.K. Andersen, O. Gunnarsson and O. Jepsen, Density functional calculations of Fermi surfaces of normal and heavy-electron metals (*In-*

vited paper) 76&77 (1988) 23
Christensen, N.E., see O. Gunnarsson 76&77 (1988) 30
Chu, C.W., see S. Yomo 76&77 (1988) 257
Chui, F.L., see F. Hippert 76&77 (1988) 417
Cibin, R., see D. Jaccard 76&77 (1988) 255
Clark, W.G., see J.M. Moore 76&77 (1988) 530
Claus, H., see G.W. Crabtree 76&77 (1988) 547
Coleman, P. and N. Andrei, Kondo-stabilized spin liquids and heavy fermion superconductivity 76&77 (1988) 504
Coles, B.R., see J.A. Chilton 76&77 (1988) 171
Coles, B.R., see M.R. Lees 76&77 (1988) 173
Collin, G., see M. Miljak 76&77 (1988) 609
Colpa, J.H.P., see R.J. Radwański 76&77 (1988) 182
Coqblin, B., see R.M. Marsolais 76&77 (1988) 269
Coqblin, B., see L.G. Brunnet 76&77 (1988) 396
Cordier, G., G. Dörsam and R. Kniep, New intermediate phases in the ternary systems rare earth–transition element–aluminium 76&77 (1988) 653
Costa-Quantana, J., see S. Balle 76&77 (1988) 579
Cousson, A., see J. Gal 76&77 (1988) 650
Cox, D.L., The quadrupolar Kondo effect: a new mechanism for heavy electrons (*Invited paper*) 76&77 (1988) 53
Crabtree, G.W., see Y. Ōnuki 76&77 (1988) 37
Crabtree, G.W., W.K. Kwok, U. Welp, R. Burriel, H. Claus, K.G. Vandervoort and J.Z. Liu, The upper critical field of high temperature superconductors (*Invited paper*) 76&77 (1988) 547
Crow, J.E., see S. Rahman 76&77 (1988) 141
Crow, J.E., see A.I. Goldman 76&77 (1988) 607
Crow, J.E., see C.-S. Jee 76&77 (1988) 617
Crow, J.E., see A. Kebede 76&77 (1988) 619
Cussen, L., see B.D. Rainford 76&77 (1988) 399
Czycholl, G., see H. Schweitzer 76&77 (1988) 77

Da Rosa Simões, A., see L.G. Brunnet 76&77 (1988) 396
Da Rosa Simões, A., C. Lacroix and C. Bastide, The superconducting phase diagram of the weak hopping Anderson lattice 76&77 (1988) 573
Danan, H., see M.J. Besnus 76&77 (1988) 471
De Boer, F.R., see L. Havela 76&77 (1988) 89
De Boer, F.R., see P.A. Veenhuizen 76&77 (1988) 165
De Boer, F.R., see P. van Aken 76&77 (1988) 523
De Châtel, P.F., see P.A. Veenhuizen 76&77 (1988) 165
De Leeuw, D.M., see P.C.M. Gubbens 76&77 (1988) 615
De Visser, A., P. Haen, T. Vorenkamp, M. van Sprang, A.A. Menovsky and J.J.M. Franse, Low-temperature resistivity measurements of heavy-fermion $U(Pt,Pd)_3$ alloys 76&77 (1988) 112
De Visser, A., see J. Souletie 76&77 (1988) 123
De Visser, A., see A. Lacerda 76&77 (1988) 138
De Visser, A., see J.J.M. Franse 76&77 (1988) 147
De Visser, A., see J. Odin 76&77 (1988) 223
De Visser, A., see T. Vorenkamp 76&77 (1988) 531
Del Moral, A., M.R. Ibarra, J.L. Arnaudas, P.A. Algarabel, C. Marquina, E. Morán and M.A. Alario, Magnetostriction and thermal expansion of high T_c magnetic superconductors $REBa_2Cu_3O_{7-x}$ (RE = Eu, Sm, Gd, Dy, Ho, Er, Tm and Y) 76&77 (1988) 612
DenBoer, M.L., see S. Horn 76&77 (1988) 591
Dhar, S.K., see E.V. Sampathkumaran 76&77 (1988) 645
Diviš, M., see Š. Zajac 76&77 (1988) 197
Djerbi, R., P. Haen, F. Lapierre, P. Lehmann and J.P. Kappler, Electrical resistivity of (Ce, La)Ru_2Si_2 alloys 76&77 (1988) 260
Djerbi, R., P. Haen, F. Lapierre and J.-M. Mignot, Magnetoresistance of (Ce, La)Ru_2Si_2 alloys 76&77 (1988) 265
Djerbi, R., P. Haen, F. Lapierre, J.-M. Mignot, A. Fert, A. Hamzić and J.P. Kappler, Influence of Y and La alloying on the anomalous Hall effect of $CeRu_2Si_2$ 76&77 (1988) 267
Dörsam, G., see G. Cordier 76&77 (1988) 653
Dossmann, Y., see E.V. Sampathkumaran 76&77 (1988) 645
Drzazga, M., see A. Ślebarski 76&77 (1988) 249
Drzazga, M., E. Müller-Hartmann, A. Kampf and H.-A. Wischmann, Path integral study of resonating valence bond state phase transitions 76&77 (1988) 576
Du Plessis, P. de V., see R.G. Booysen 76&77 (1988) 283
Duczmal, M. and L. Pawlak, The crystal field influence on magnetic susceptibilities of $TlCeSe_2$ and $TlCeTe_2$ 76&77 (1988) 195
Duczmal, M., see L. Pawlak 76&77 (1988) 199
Duif, A.M., A.G.M. Jansen, A.A. Lysykh and P. Wyder, Thermal effects in UPt_3 point contacts 76&77 (1988) 335

Elschner, B. and M. Schlott, Electron-spin-resonance in intermediate valent and heavy-electron compounds (*Invited paper*) 76&77 (1988) 444
Elschner, B., see J. Sticht 76&77 (1988) 469
Enkler, D., see P. van Aken 76&77 (1988) 523
Entel, P., see M. Matschke 76&77 (1988) 510
Erkelens, W.A.C., see L.P. Regnault 76&77 (1988) 413
Evans, S.M.M. and G.A. Gehring, Theory of the normal state of CuO_2 planes in high T_c superconductors 76&77 (1988) 587

Fedro, A.J., S.K. Sinha, B.N. Harmon and T.C. Leung, Correlation theory of antiferromagnetism in 2D Cu–O planes 76&77 (1988) 582
Felten, R., see H. Rietschel 76&77 (1988) 105
Fert, A., see A. Hamzić 76&77 (1988) 221
Fert, A., see P.M. Levy 76&77 (1988) 238
Fert, A., see R. Djerbi 76&77 (1988) 267
Fert, A., see J.M. Broto 76&77 (1988) 289

Fierz, C., see J. Flouquet 76&77 (1988) 285
Fischer, G., see M.J. Besnus 76&77 (1988) 471
Fisher, R.A., see C. Marcenat 76&77 (1988) 115
Fisk, Z., see T. Müller 76&77 (1988) 35
Fisk, Z., see F.P. Milliken 76&77 (1988) 201
Fisk, Z., see H.A. Borges 76&77 (1988) 235
Fisk, Z., see S.Y. Mao 76&77 (1988) 241
Fisk, Z., see J.P. Brison 76&77 (1988) 243
Fisk, Z., see S. Blumenröder 76&77 (1988) 331
Fisk, Z., see J.D. Thompson 76&77 (1988) 437
Fisk, Z., see G.R. Stewart 76&77 (1988) 484
Fisk, Z., see J.P. Brison 76&77 (1988) 525
Fisk, Z., see J.M. Moore 76&77 (1988) 530
Fisk, Z., J.D. Thompson and H.R. Ott, Heavy-electrons: new materials (*Invited paper*) 76&77 (1988) 637
Floran, R.J., see S. Horn 76&77 (1988) 591
Flouquet, J., see J.-M. Mignot 76&77 (1988) 97
Flouquet, J., see C. Marcenat 76&77 (1988) 115
Flouquet, J., see P. Haen 76&77 (1988) 143
Flouquet, J., see L. Taillefer 76&77 (1988) 218
Flouquet, J., see J.P. Brison 76&77 (1988) 243
Flouquet, J., see D. Jaccard 76&77 (1988) 255
Flouquet, J., see A. Amato 76&77 (1988) 263
Flouquet, J., P. Haen, F. Lapierre, C. Fierz, A. Amato and D. Jaccard, Residual resistivity in cerium heavy fermion compounds 76&77 (1988) 285
Flouquet, J., see D. Weber 76&77 (1988) 315
Flouquet, J., see J. Rossat-Mignod 76&77 (1988) 376
Flouquet, J., see S. Quezel 76&77 (1988) 403
Flouquet, J., see H. Nakamura 76&77 (1988) 465
Flouquet, J., see J.P. Brison 76&77 (1988) 525
Flouquet, J., Conference summary (experimental) 76&77 (1988) 665
Fort, D., see B.D. Rainford 76&77 (1988) 399
Fort, D., see K.A. McEwen 76&77 (1988) 426
Fournier, J.M., see G. Amoretti 76&77 (1988) 432
Franse, J.J.M., see A. de Visser 76&77 (1988) 112
Franse, J.J.M., M. van Sprang, E. Louis, K. Kadowaki and A. de Visser, Analysis of thermodynamic properties of UPt_3 by means of Grüneisen relations 76&77 (1988) 147
Franse, J.J.M., see R.J. Radwański 76&77 (1988) 182
Franse, J.J.M., see M. van Sprang 76&77 (1988) 229
Franse, J.J.M., see K. Kadowaki 76&77 (1988) 233
Franse, J.J.M., see G.R. Stewart 76&77 (1988) 484
Franse, J.J.M., see T. Vorenkamp 76&77 (1988) 531
Frauenberger, G., see C. Quitmann 76&77 (1988) 91
Freda, S., see J. Gal 76&77 (1988) 650
Freiburg, C., see J. Hauck 76&77 (1988) 651
Frick, B., see M. Loewenhaupt 76&77 (1988) 415
Frikkee, E., see R.A. Steeman 76&77 (1988) 435
Frings, P., see A. Loidl 76&77 (1988) 441
Fujii, H., see T. Fujita 76&77 (1988) 133
Fujii, H., E. Ueda, Y. Uwatoko and T. Shigeoka, Magnetic properties of $CeCo_2$-Ge_2 and $NdCo_2Ge_2$ single crystals 76&77 (1988) 179
Fujii, H., see T. Shigeoka 76&77 (1988) 189
Fujii, H., see Y. Uwatoko 76&77 (1988) 411
Fujimori, A., see M. Kasaya 76&77 (1988) 347
Fujimura, T., see K. Baba 76&77 (1988) 297
Fujimura, T., see T. Goto 76&77 (1988) 305
Fujimura, T., see S. Nakamura 76&77 (1988) 312
Fujimura, T., see H. Matsui 76&77 (1988) 321
Fujioka, M., see T. Furuno 76&77 (1988) 117
Fujita, T., see K. Satoh 76&77 (1988) 128
Fujita, T., K. Satoh, Y. Maeno, Y. Uwatoko and H. Fujii, Specific heat of a dense-Kondo compound CePtIn 76&77 (1988) 133
Fujiwara, K., see Y. Kitaoka 76&77 (1988) 527
Fulde, P., see V. Zevin 76&77 (1988) 475
Furrer, A., P. Allenspach and F. Hulliger, Crystalline electric field in $RBa_2Cu_3O_7$ (R = rare earth) determined by inelastic neutron scattering 76&77 (1988) 594
Furuno, T., K. Ando, S. Kunii, A. Ochiai, H. Suzuki, M. Fujioka, T. Suzuki, W. Sasaki and T. Kasuya, Physical properties of Sm_3Se_4 at low temperatures 76&77 (1988) 117

Gajek, Z., S. Hubert and J.C. Krupa, Angular Overlap Model analysis of the D_{2d} crystal field effect in uranium (4 +) compounds 76&77 (1988) 363
Gal, J., S. Freda, S. Tapuchi, J. Jové, M. Pagès, A. Cousson, W. Potzel, F.J. Litterst, J. Moser and G.M. Kalvius, Magnetic properties of some neptunium heavy-fermion intermetallics 76&77 (1988) 650
Gandra, F.G. and M.J. Pontes, ESR study on the series $U_{1-x}(Pt_{1-y}Pd_y)_3$:RE_x 76&77 (1988) 481
Gao, L., see S. Yomo 76&77 (1988) 257
Gao, Y., see A.I. Goldman 76&77 (1988) 607
Gehring, G.A., see S.M.M. Evans 76&77 (1988) 587
Gerhäuser, W., see H. Adrian 76&77 (1988) 533
Gerhäuser, W., see G. Adrian 76&77 (1988) 642
Gignoux, D., see E. Bauer 76&77 (1988) 125
Gignoux, D., see E. Bauer 76&77 (1988) 131
Gignoux, D., D. Schmitt, M. Zerguine and A.P. Murani, Paramagnetic spectral response of the Kondo-lattice compound $CePt_2Si_2$ 76&77 (1988) 401
Gignoux, D., see M. Jerjini 76&77 (1988) 405
Goldman, A.I., see G. Aeppli 76&77 (1988) 385
Goldman, A.I., Y. Gao, S.T. Ting, J.E. Crow, W.H. Li and J.W. Lynn, Crystal electric fields in rare earth–Ba–Cu–oxide superconductors 76&77 (1988) 607
Gonzalez-Jimenez, F., see J.M. Broto 76&77 (1988) 289
Goto, T., T. Suzuki, Y. Ohe, T. Fujimura and A. Tamaki, Magneto-acoustic effects of heavy electron and valence fluctuation compounds (*Invited paper*) 76&77 (1988) 305

Goto, T., see S. Nakamura 76&77 (1988) 312
Goto, T., see H. Matsui 76&77 (1988) 321
Gottwick, U., see G. Sparn 76&77 (1988) 153
Graboy, I.E., see I.V. Zubov 76&77 (1988) 623
Grassmann, A., J.R. Naegele, K. Söldner and G. Saemann-Ischenko, Electronic structure of U_6T (T = Mn, Fe, Co, Ni) studied by photoemission spectroscopy 76&77 (1988) 359
Gratz, E., see E. Bauer 76&77 (1988) 125
Gratz, E., see E. Bauer 76&77 (1988) 131
Gratz, E., see H. Müller 76&77 (1988) 159
Gratz, E., E. Bauer, R. Hauser, N. Pillmayr, G. Hilscher, H. Müller and B. Barbara, Influence of Cu and Ni substitution on the Kondo compound $CeAl_2$ 76&77 (1988) 275
Gratz, E., see M. Loewenhaupt 76&77 (1988) 415
Grauel, A., see G. Sparn 76&77 (1988) 153
Grill, W., see T.J. Kim 76&77 (1988) 604
Grüner, G., see W.P. Beyermann 76&77 (1988) 207
Gubbens, P.C.M., A.M. van der Kraan and K.H.J. Buschow, Crystal field influence on the magnetic properties of RNi_5 compounds 76&77 (1988) 187
Gubbens, P.C.M., J.J. van Loef, A.M. van der Kraan and D.M. de Leeuw, Is there a distortion in $TmBa_2Cu_3O_{6.9}$ at T_c? 76&77 (1988) 615
Guertin, R.P., see C.-S. Jee 76&77 (1988) 617
Guertin, R.P., see A. Kebede 76&77 (1988) 619
Gulácsi, M. and Zs. Gulácsi, Complete symmetry functions for anisotropic spin-density waves 76&77 (1988) 83
Gulácsi, M., see Zs. Gulácsi 76&77 (1988) 515
Gulácsi, Zs., see M. Gulácsi 76&77 (1988) 83
Gulácsi, Zs., M. Gulácsi and V. Toşa, Superconductivity and spin density wave in heavy fermion systems 76&77 (1988) 515
Gunnarsson, O., see N.E. Christensen 76&77 (1988) 23
Gunnarsson, O., N.E. Christensen and O.K. Andersen, Density functional calculations for 4f-electron systems: hopping matrix elements for the Anderson model (*Invited paper*) 76&77 (1988) 30
Güntherodt, G., see S. Blumenröder 76&77 (1988) 331
Gusmão, M.A., see L.G. Brunnet 76&77 (1988) 396
Gygax, F.N., see S. Barth 76&77 (1988) 455

Habel, U., see A. Böhm 76&77 (1988) 150
Habel, U., see G. Sparn 76&77 (1988) 153
Haen, P., see J.-M. Mignot 76&77 (1988) 97
Haen, P., see A. de Visser 76&77 (1988) 112
Haen, P., see A. Najib 76&77 (1988) 135
Haen, P., see A. Lacerda 76&77 (1988) 138
Haen, P., F. Lapierre, J.P. Kappler, P. Lejay, J. Flouquet and A. Meyer, Magnetization of (Ce,La)Ru_2Si_2 and (Ce,Y)Ru_2Si_2 single crystals 76&77 (1988) 143
Haen, P., see R. Djerbi 76&77 (1988) 260
Haen, P., see A. Amato 76&77 (1988) 263
Haen, P., see R. Djerbi 76&77 (1988) 265
Haen, P., see R. Djerbi 76&77 (1988) 267
Haen, P., see J. Flouquet 76&77 (1988) 285
Haen, P., see D. Weber 76&77 (1988) 315
Haen, P., see T. Vorenkamp 76&77 (1988) 531
Haen, P., see H. Spille 76&77 (1988) 539
Hagen, M., see R. Osborn 76&77 (1988) 429
Hall, R.O.A., see J.A. Chilton 76&77 (1988) 171
Hampel, G., see T.J. Kim 76&77 (1988) 604
Hamzić, A. and A. Fert, Hall effect in heavy fermion systems 76&77 (1988) 221
Hamzić, A., see R. Djerbi 76&77 (1988) 267
Hamzić, A., see M. Miljak 76&77 (1988) 609
Harima, H., see T. Kasuya 76&77 (1988) 46
Harmon, B.N., see A.J. Fedro 76&77 (1988) 582
Hauck, J., D. Henkel and K. Mika, Crystal field stabilization in ternary or quaternary Cu oxides 76&77 (1988) 621
Hauck, J., K. Bickmann, B. Bischof, D. Henkel, C. Freiburg, U. Köbler, K. Mika, W. Reichert and E.M. Würtz, Phase relations and physical properties of ternary and quaternary oxides with fcc derivative metal lattice 76&77 (1988) 651
Hauser, R., see E. Gratz 76&77 (1988) 275
Havela, L., V. Sechovsky, F.R. de Boer, E. Brück, P.A. Veenhuizen, J.B. Bouwer and K.H.J. Buschow, The development towards heavy-fermion ground state in UTX compounds 76&77 (1988) 89
Hayashi, H., see K. Kojima 76&77 (1988) 291
Heerooms, H.J.M., see R.J. Radwański 76&77 (1988) 182
Henkel, D., see J. Hauck 76&77 (1988) 621
Henkel, D., see J. Hauck 76&77 (1988) 651
Hennion, B., see F. Hippert 76&77 (1988) 417
Henry, J.Y., see M. Jerjini 76&77 (1988) 405
Hensel, B., see J.P. Ströbel 76&77 (1988) 536
Hensel, B., see G. Adrian 76&77 (1988) 642
Hihara, T., see K. Kojima 76&77 (1988) 291
Hillebrecht, F.U., V. Sechovsky and B.T. Thole, Dilute U alloys: test cases for 5f electronic structure 76&77 (1988) 353
Hilscher, G., see E. Gratz 76&77 (1988) 275
Hippert, F., B. Hennion, F.L. Chui, M. Kohgi and T. Satoh, Magnetic excitations of ferromagnetic dense Kondo compounds $CeSi_{1.7}$ and $CeGe_{1.7}$ 76&77 (1988) 417
Hitti, B., see S. Barth 76&77 (1988) 455
Hodges, J.A., see P. Bonville 76&77 (1988) 473
Hoenig, H.E., see M. Loewenhaupt 76&77 (1988) 408
Hoevers, H.F.C., see P.J.M. van Bentum 76&77 (1988) 561
Höhn, Th. and J. Keller, Quasiparticle interaction in heavy fermion systems 76&77 (1988) 343
Holtzberg, F., see F.P. Milliken 76&77 (1988) 201
Holtzberg, F., P. Strobel and T.K. Worthington, Crystal growth of high T_c cuprate

superconductors (*Invited paper*) 76&77 (1988) 626
Hor, P.H., see S. Yomo 76&77 (1988) 257
Horn, S., K. Reilly, H. Petersen, M. Schaible, R.J. Floran, C.L. Chang and M.L. den Boer, X-ray absorption study of the evolution of unoccupied Cu–O states in high temperature superconductors with O deficiency and Zn doping 76&77 (1988) 591
Huang, X., see K. Maki 76&77 (1988) 499
Hubert, S., see Z. Gajek 76&77 (1988) 363
Hufnagel, J., see D. Weber 76&77 (1988) 315
Hulliger, F., see P. Bonville 76&77 (1988) 473
Hulliger, F., see A. Furrer 76&77 (1988) 594
Hyomi, K., see H. Amitsuka 76&77 (1988) 168
Hyomi, K., H. Amitsuka, T. Nishioka, S. Murayama, Y. Miyako, K. Nishiyama, K. Nagamine, T. Yamazaki and P. Morin, Muon spin rotation and relaxation in CeAg and $CeAg_{0.97}In_{0.03}$ 76&77 (1988) 462

Ibarra, M.R., see A. del Moral 76&77 (1988) 612
Iga, F., M. Kasaya and T. Kasuya, Specific heat measurements of YbB_{12} and $Yb_xLu_{1-x}B_{12}$ 76&77 (1988) 156
Iga, F., see M. Kasaya 76&77 (1988) 278
Iglesias, J.R., see L.G. Brunnet 76&77 (1988) 396
Ikeda, H., see Y. Ōnuki 76&77 (1988) 37
Ikeda, M., see T. Kasuya 76&77 (1988) 46
Ikeda, T., see T. Kimura 76&77 (1988) 191
Ikezawa, M., see Y.S. Kwon 76&77 (1988) 350
Ilyushin, A.S., see I.V. Zubov 76&77 (1988) 623
Imai, M., see S. Takayanagi 76&77 (1988) 281
Imbert, P., see P. Bonville 76&77 (1988) 473
Ishida, K., see Y. Kitaoka 76&77 (1988) 527
Ishii, H., Electrical resistivity in intermetallic compounds with singlet crystalline field ground state 76&77 (1988) 247
Ishikawa, M., see T. Takabatake 76&77 (1988) 87
Isikawa, Y., K. Mori, H. Takeda, I. Umehara, K. Sato, Y. Ōnuki and T. Komatsubara, Crystalline-field effect in the intermetallic compound $SmCu_2$ 76&77 (1988) 161
Ito, Y., see Y. Uwatoko 76&77 (1988) 411
Iwata, N., see T. Shigeoka 76&77 (1988) 189
Iwata, N., see T. Kimura 76&77 (1988) 191
Izuki, K., see G. Oomi 76&77 (1988) 647

Jaccard, D., see S.Y. Mao 76&77 (1988) 241
Jaccard, D., R. Cibin, A. Bezinge, J. Sierro, K. Matho and J. Flouquet, Resistivity and susceptibility measurements on single crystalline $CeAl_3$ 76&77 (1988) 255
Jaccard, D., see A. Amato 76&77 (1988) 263
Jaccard, D., see J. Flouquet 76&77 (1988) 285
Jaccard, D., see J. Rossat-Mignod 76&77 (1988) 376
Jacoud, J.L., see J. Rossat-Mignod 76&77 (1988) 376
Jacoud, J.L., see S. Quezel 76&77 (1988) 403
Jansen, A.G.M., see A.M. Duif 76&77 (1988) 335
Jee, C.-S., A. Kebede, T. Yuen, S.H. Bloom, M.V. Kuric, J.E. Crow, R.P. Guertin, T. Mihalisin, G.H. Myer and P. Schlottmann, Thermodynamic and pressure dependent magnetic characteristics of $PrBa_2Cu_3O_7$ 76&77 (1988) 617
Jee, C.-S., see A. Kebede 76&77 (1988) 619
Jéhanno, G., see P. Bonville 76&77 (1988) 473
Jensen, J., see B.D. Rainford 76&77 (1988) 399
Jepsen, O., see N.E. Christensen 76&77 (1988) 23
Jerjini, M., M. Bonnet, P. Burlet, G. Lapertot, J. Rossat-Mignod, J.Y. Henry and D. Gignoux, Magnetic properties of $CeGa_2$ and $Ce(Ga_{1-x}Al_x)_2$ solid solutions 76&77 (1988) 405
Jo, T. and A. Kotani, Valence mixing and multiplet structure of core photoabsorption spectra in Ce compounds 76&77 (1988) 361
Jones, D.L., see R. Osborn 76&77 (1988) 429
Joss, W., see T. Müller 76&77 (1988) 35
Joss, W., see L. Taillefer 76&77 (1988) 218
Jové, J., see J. Gal 76&77 (1988) 650

Kaczorowski, D., Phenomenological crystal field approach for UCu_2P_2 ferromagnet 76&77 (1988) 366
Kadowaki, K., see J.J.M. Franse 76&77 (1988) 147
Kadowaki, K., J.C.P. Klaasse and J.J.M. Franse, Electrical and magnetic properties of $U(Pt_{1-x}Au_x)_3$ $(0 \leqslant x \leqslant 1)$ 76&77 (1988) 233
Kadowaki, K., see T. Vorenkamp 76&77 (1988) 531
Kaindl, G., see O. Strebel 76&77 (1988) 597
Kalvius, G.M., see J. Gal 76&77 (1988) 650
Kamimura, H., see J. Sakurai 76&77 (1988) 287
Kampf, A., see M. Drzazga 76&77 (1988) 576
Kappler, J.P., see P. Haen 76&77 (1988) 143
Kappler, J.P., G. Schmerber and J.G. Sereni, Cerium magnetic behaviour in Ce(Pd, M) with M = Co, Ni, Rh, Ir, Pt, Cu, Ag and Au 76&77 (1988) 185
Kappler, J.P., see R. Djerbi 76&77 (1988) 260
Kappler, J.P., see R. Djerbi 76&77 (1988) 267
Kappler, J.P., see J.M. Broto 76&77 (1988) 289
Kappler, J.P., see M.J. Besnus 76&77 (1988) 471
Kasamatsu, Y., see K. Kojima 76&77 (1988) 291
Kasaya, M., see F. Iga 76&77 (1988) 156
Kasaya, M., T. Tani, F. Iga and T. Kasuya, Electrical resistivity, Hall constant and magnetic susceptibility in the Kondo states $Ce(Ni_{1-x}Pd_x)Sn$ and YbNiSn 76&77 (1988) 278
Kasaya, M., see S. Nakamura 76&77 (1988) 312
Kasaya, M., A. Okabe, T. Takahashi, T. Satoh, T. Kasuya and A. Fujimori, Anisotropy and dense Kondo effect in $CeRh_3B_2$ 76&77 (1988) 347
Kasperczyk, J., M. Piasecki and Z. Bąk, Crystal-field effects and high-T_c superconductivity in YBaCuO with 3d-sub-

stituents 76&77 (1988) 589
Kasuya, T., see H. Kitazawa 76&77 (1988) 40
Kasuya, T., O. Sakai, H. Harima and M. Ikeda, Consistent treatment of high and low frequency phenomena in Kondo and VF systems (*Invited paper*) 76&77 (1988) 46
Kasuya, T., see T. Furuno 76&77 (1988) 117
Kasuya, T., see F. Iga 76&77 (1988) 156
Kasuya, T., see M. Kasaya 76&77 (1988) 278
Kasuya, T., see O. Nakamura 76&77 (1988) 293
Kasuya, T., see K. Baba 76&77 (1988) 297
Kasuya, T., see S. Nakamura 76&77 (1988) 312
Kasuya, T., see H. Matsui 76&77 (1988) 321
Kasuya, T., see M. Kasaya 76&77 (1988) 347
Kasuya, T., see Y.S. Kwon 76&77 (1988) 350
Kasuya, T., see L.P. Regnault 76&77 (1988) 413
Katayama-Yoshida, H., see Y. Kitaoka 76&77 (1988) 527
Kaul, A.R., see I.V. Zubov 76&77 (1988) 623
Kawakami, N., see A. Okiji 76&77 (1988) 121
Kawakami, N., see A. Okiji 76&77 (1988) 245
Kebede, A., see C.-S. Jee 76&77 (1988) 617
Kebede, A., C.-S. Jee, D. Nichols, M.V. Kuric, J.E. Crow, R.P. Guertin, T. Mihalisin, G.H. Myer, I. Perez, R.E. Salomon and P. Schlottmann, (Y, Pr)$Ba_2Cu_3O_7$: evidence for AG pair breaking in a high T_c superconductor 76&77 (1988) 619
Keiter, H., Low temperature properties of the Anderson lattice (*Invited paper*) 76&77 (1988) 65
Keller, J., see Th. Höhn 76&77 (1988) 343
Kemmler-Sack, S., see O. Strebel 76&77 (1988) 597
Keulerz, K., see J. Röhler 76&77 (1988) 340
Kiemel, R., see O. Strebel 76&77 (1988) 597
Kim, J.S., see C. Quitmann 76&77 (1988) 91
Kim, T.J., B. Lüthi, M. Schwarz, H. Kühnberger, B. Wolf, G. Hampel, D. Nikl and W. Grill, Valence fluctuation aspects of high temperature superconductors 76&77 (1988) 604
Kimura, T., N. Iwata, T. Ikeda and T. Shigeoka, Heat capacities of $TbCu_2$ and $DyCu_2$ compounds 76&77 (1988) 191
Kitaoka, Y., see K. Asayama 76&77 (1988) 449
Kitaoka, Y., see H. Nakamura 76&77 (1988) 465
Kitaoka, Y., see H. Nakamura 76&77 (1988) 467
Kitaoka, Y., see Y. Kohori 76&77 (1988) 478
Kitaoka, Y., see H. Nakamura 76&77 (1988) 517
Kitaoka, Y., K. Ishida, K. Fujiwara, T. Kondo, K. Asayama, H. Katayama-Yoshida, Y. Okabe and T. Takahashi, Superconductivity in heavy fermions and high T_c oxides: similarity and dissimilarity 76&77 (1988) 527
Kitazawa, H., Y.S. Kwon, A. Oyamada, N. Takeda, H. Suzuki, S. Sakatsume, T. Satoh, T. Suzuki and T. Kasuya, Heavy hole state in CeSb 76&77 (1988) 40
Kjems, J.K. and C. Broholm, Heavy fermion antiferromagnets (*Invited paper*) 76&77 (1988) 371
Kjems, J.K., see G. Aeppli 76&77 (1988) 385
Klaasse, J.C.P., see K. Kadowaki 76&77 (1988) 233
Klug, J., see J. Röhler 76&77 (1988) 340
Kniep, R., see G. Cordier 76&77 (1988) 653
Knopp, G., A. Loidl, K. Knorr, H. Spille, F. Steglich and A.P. Murani, Spin relaxation dynamics and magnetic fluctuations in Kondo lattices 76&77 (1988) 420
Knorr, K., see G. Knopp 76&77 (1988) 420
Köbler, U., see J. Hauck 76&77 (1988) 651
Kobori, A., see S. Takayanagi 76&77 (1988) 281
Koga, K., see T. Takabatake 76&77 (1988) 87
Kohara, T., see Y. Kohori 76&77 (1988) 478
Kohgi, M., see F. Hippert 76&77 (1988) 417
Kohlmann, J., see E. Bauer 76&77 (1988) 125
Kohori, Y., see K. Asayama 76&77 (1988) 449
Kohori, Y., H. Shibai, T. Kohara, Y. Oda, Y. Kitaoka and K. Asayama, ^{195}Pt NMR study of the heavy fermion superconductor UPt_3 76&77 (1988) 478
Kojima, K., H. Hayashi, T. Hihara and Y. Kasamatsu, Pressure effect on the valence phase transition of $Yb_{1-x}In_xCu_2$ 76&77 (1988) 291
Kolodziejcyk, A., see O. Strebel 76&77 (1988) 597
Komatsubara, T., see Y. Ōnuki 76&77 (1988) 37
Komatsubara, T., see Y. Ōnuki 76&77 (1988) 119
Komatsubara, T., see K. Satoh 76&77 (1988) 128
Komatsubara, T., see G. Oomi 76&77 (1988) 145
Komatsubara, T., see Y. Isikawa 76&77 (1988) 161
Komatsubara, T., see S. Takayanagi 76&77 (1988) 163
Komatsubara, T., see S. Takayanagi 76&77 (1988) 281
Komatsubara, T., see H. Nakamura 76&77 (1988) 467
Komura, Y., see J. Sakurai 76&77 (1988) 287
Kondo, T., see Y. Kitaoka 76&77 (1988) 527
Konno, R., see K. Ueda 76&77 (1988) 507
Kontani, M., M. Nakano, Y. Ogura, N. Sato, H. Matsui and K. Adachi, Magnetic properties of UAu_3 76&77 (1988) 655
Korobov, A.I., see B.B. Voronov 76&77 (1988) 317
Kotani, A., see T. Jo 76&77 (1988) 361
Kouroudis, I., see D. Weber 76&77 (1988) 315
Kovacik, V., see F.G. Aliev 76&77 (1988) 272
Kowalewski, L., see M. Thomas 76&77 (1988) 85
Kowalewski, L., see R. Wojciechowski 76&77 (1988) 369
Kozyrkov, V.V., see F.G. Aliev 76&77 (1988) 295
Krupa, J.C., see Z. Gajek 76&77 (1988) 363
Kübler, J., see J. Sticht 76&77 (1988) 469
Kuentzler, R., see E.V. Sampathkumaran 76&77 (1988) 645
Kühnberger, H., see T.J. Kim 76&77 (1988) 604
Kumagai, K., see I. Watanabe 76&77 (1988) 599
Kumagai, K., Y. Nakamura, I. Watanabe, Y. Nakamichi and H. Nakajima, Strong dependence of the linear-temperature term of heat capacity on Ba- and Sr-doping in the La_2CuO_4 system 76&77 (1988) 601
Kunii, S., see T. Furuno 76&77 (1988) 117

Kunii, S., see O. Nakamura 76&77 (1988) 293
Kunii, S., see K. Baba 76&77 (1988) 297
Kunii, S., Coherent state in CeB_6 evidenced by the voltage jump in point-contact spectroscopy 76&77 (1988) 337
Kunii, S., see L.P. Regnault 76&77 (1988) 413
Kuramoto, Y. and T. Watanabe, Polaron effect and stabilization of s-wave pairing in a p–d hybridization model 76&77 (1988) 571
Kuric, M.V., see C.-S. Jee 76&77 (1988) 617
Kuric, M.V., see A. Kebede 76&77 (1988) 619
Kurosawa, Y., see Y. Ōnuki 76&77 (1988) 37
Kuzmin, R.N., see I.V. Zubov 76&77 (1988) 623
Kwok, W.K., see Y. Ōnuki 76&77 (1988) 37
Kwok, W.K., see G.W. Crabtree 76&77 (1988) 547
Kwon, Y.S., see H. Kitazawa 76&77 (1988) 40
Kwon, Y.S., see K. Baba 76&77 (1988) 297
Kwon, Y.S., T. Nanba, M. Ikezawa, O. Sakai, T. Suzuki and T. Kasuya, Optical properties of CeTe and $CeIn_3$ 76&77 (1988) 350

Laborde, O., see R. Tournier 76&77 (1988) 552
Lacerda, A., A. de Visser, L. Puech, P. Lejay and P. Haen, Magnetostriction of $(Ce,La)Ru_2Si_2$ alloys 76&77 (1988) 138
Lacroix, C., see A. da Rosa Simões 76&77 (1988) 573
Lan, M.D., see J.M. Moore 76&77 (1988) 530
Lander, G.H., see K.A. McEwen 76&77 (1988) 426
Lander, G.H., see R. Osborn 76&77 (1988) 429
Lang, M., see G. Sparn 76&77 (1988) 153
Langford, H.D. and W.M. Temmerman, The Fermi surface and bonding properties of the heavy fermion compound CeB_6 76&77 (1988) 43
Lapertot, G., see M. Jerjini 76&77 (1988) 405
Lapierre, F., see J.-M. Mignot 76&77 (1988) 97
Lapierre, F., see P. Haen 76&77 (1988) 143
Lapierre, F., see J.P. Brison 76&77 (1988) 243
Lapierre, F., see R. Djerbi 76&77 (1988) 260
Lapierre, F., see A. Amato 76&77 (1988) 263
Lapierre, F., see R. Djerbi 76&77 (1988) 265
Lapierre, F., see R. Djerbi 76&77 (1988) 267
Lapierre, F., see J. Flouquet 76&77 (1988) 285
Larroque, J., see G. Amoretti 76&77 (1988) 432
Lawson, A.C., see J.D. Thompson 76&77 (1988) 437
Lazukov, V.N., see P.A. Alekseev 76&77 (1988) 423
Leciejewicz, J., see B. Ptasiewicz-Bak 76&77 (1988) 439
Lee, K.-J.-B., J.W. Rasul and P. Schlottmann, Exactly soluble generalized Anderson model as a variant of the two-impurity problem 76&77 (1988) 80
Lees, M.R. and B.R. Coles, Effects of alloying on Ce heavy fermion compounds 76&77 (1988) 173
Lehmann, P., see R. Djerbi 76&77 (1988) 260
Lejay, P., see A. Lacerda 76&77 (1988) 138
Lejay, P., see P. Haen 76&77 (1988) 143
Lejay, P., see A. Amato 76&77 (1988) 263
Lejay, P., see J. Rossat-Mignod 76&77 (1988) 376
Lejay, P., see S. Quezel 76&77 (1988) 403
Lejay, P., see R. Tournier 76&77 (1988) 552
Leung, T.C., see A.J. Fedro 76&77 (1988) 582
Levy, P.M. and S.-f. Zhang, Anistropic mixing in Kondo systems 76&77 (1988) 73
Levy, P.M. and A. Fert, Effect of crystal field on Hall effect in Kondo systems 76&77 (1988) 238
Li, W.H., see A.I. Goldman 76&77 (1988) 607
Lippelt, E., see S. Barth 76&77 (1988) 455
Lippert, M., see G. Adrian 76&77 (1988) 642
Litterst, F.J., see J. Gal 76&77 (1988) 650
Liu, J.Z., see G.W. Crabtree 76&77 (1988) 547
Loewenhaupt, M., M. Prager, A.P. Murani and H.E. Hoenig, Inelastic neutron scattering on $RE_2Fe_{14}B$ (RE = Y, Ce, Nd, Dy and Er) 76&77 (1988) 408
Loewenhaupt, M., M. Prager, E. Gratz and B. Frick, Magnetic excitations in $CeCu_2$ 76&77 (1988) 415
Loidl, A., see A. Böhm 76&77 (1988) 150
Loidl, A., see G. Sparn 76&77 (1988) 153
Loidl, A., see G. Knopp 76&77 (1988) 420
Loidl, A., B. Renker, H. Rietschel, P. Frings, E. Bucher and M.-Ch. Lux-Steiner, Phonon line-widths in UPt_3 76&77 (1988) 441
Lonzarich, G.G., Magnetic oscillations and the quasiparticle bands of heavy electron systems (*Invited paper*) 76&77 (1988) 1
Loong, C.K., see K.A. McEwen 76&77 (1988) 426
López-Aguilar, F., see S. Balle 76&77 (1988) 579
Lösch, S., see O. Strebel 76&77 (1988) 597
Louis, E., see J.J.M. Franse 76&77 (1988) 147
Lüthi, B., see D. Weber 76&77 (1988) 315
Lüthi, B., see T.J. Kim 76&77 (1988) 604
Lux-Steiner, M.-Ch., see A. Loidl 76&77 (1988) 441
Lynn, J.W., see A.I. Goldman 76&77 (1988) 607
Lysykh, A.A., see A.M. Duif 76&77 (1988) 335

MacLaughlin, D.E., see J.M. Moore 76&77 (1988) 530
Maeno, Y., see K. Satoh 76&77 (1988) 128
Maeno, Y., see T. Fujita 76&77 (1988) 133
Maezawa, K., see Y. Ōnuki 76&77 (1988) 37
Maki, K. and X. Huang, Models of heavy fermion superconductors; impurity scattering effect (*Invited paper*) 76&77 (1988) 499
Mao, S.Y., D. Jaccard, J. Sierro, Z. Fisk and J.L. Smith, Pressure emergence of magnetic ordering in UBe_{13} 76&77 (1988) 241
Marcenat, C., R.A. Fisher, N.E. Phillips and J. Flouquet, Comparison of the specific heat of heavy fermion cerium compounds 76&77 (1988) 115
Marimon da Cunha, J.B., see P. Bonville 76&77 (1988) 473
Marquina, C., see A. del Moral 76&77 (1988) 612
Marsolais, R.M., C. Ayache, D. Schmitt, A.K. Bhattacharjee and B. Coqblin, Anisotropic resistivity of $CePt_2Si_2$ 76&77 (1988) 269
Matho, K., see D. Jaccard 76&77 (1988) 255

Matschke, M. and P. Entel, Superconducting properties of heavy fermion systems 76&77 (1988) 510
Matsui, H., T. Goto, A. Tamaki, T. Fujimura, T. Suzuki and T. Kasuya, CEF effects and elastic properties of CeTe 76&77 (1988) 321
Matsui, H., see M. Kontani 76&77 (1988) 655
Mattenberger, K., see R. Osborn 76&77 (1988) 429
McElfresh, M.W., see J.D. Thompson 76&77 (1988) 437
McEwen, K.A., High energy neutron spectroscopy of rare earths (*Invited paper*) 76&77 (1988) 391
McEwen, K.A., W.G. Stirling, C.K. Loong, G.H. Lander and D. Fort, Crystal-field excitations in polycrystalline $U(Pd_{1-x}Pt_x)_3$ 76&77 (1988) 426
Mekata, M., see H. Müller 76&77 (1988) 159
Meng, R.L., see S. Yomo 76&77 (1988) 257
Menovsky, A.A., see G.R. Stewart 76&77 (1988) 484
Menovsky, A.A., see A. de Visser 76&77 (1988) 112
Menovsky, A.A., see J. Odin 76&77 (1988) 223
Menovsky, A.A., see M. van Sprang 76&77 (1988) 229
Menovsky, A.A., see R.A. Steeman 76&77 (1988) 435
Menovsky, A.A., The crystal growth of pseudobinary and ternary cerium and uranium intermetallic compounds (*Invited paper*) 76&77 (1988) 631
Meulenbroek, V.J.M., see T. Vorenkamp 76&77 (1988) 531
Meyer, A., see P. Haen 76&77 (1988) 143
Meyer, A., see M.J. Besnus 76&77 (1988) 471
Mignot, J.-M., J. Flouquet, P. Haen, F. Lapierre, L. Puech and J. Voiron, Metamagnetic $CeRu_2Si_2$: new perspectives for heavy-fermion studies in high fields (*Invited paper*) 76&77 (1988) 97
Mignot, J.-M., see R. Djerbi 76&77 (1988) 265
Mignot, J.-M., see R. Djerbi 76&77 (1988) 267
Mignot, J.-M., see H. Spille 76&77 (1988) 539
Mihalisin, T., see S. Rahman 76&77 (1988) 141
Mihalisin, T., see C.-S. Jee 76&77 (1988) 617
Mihalisin, T., see A. Kebede 76&77 (1988) 619
Mika, K., see J. Hauck 76&77 (1988) 621
Mika, K., see J. Hauck 76&77 (1988) 651
Miljak, M., G. Collin and A. Hamzić, The magnetic anisotropy of $YBa_2Cu_3O_7$ single crystals above T_c 76&77 (1988) 609
Milliken, F.P., T. Penney, F. Holtzberg and Z. Fisk, Observation of a coherent quasiparticle band in the periodic heavy fermion system $CeCu_6$ (*Invited paper*) 76&77 (1988) 201
Misawa, S., Logarithmic energy dependence of the density of states for heavy fermion systems 76&77 (1988) 356
Miyako, Y., see H. Amitsuka 76&77 (1988) 168
Miyako, Y., see P. Morin 76&77 (1988) 319
Miyako, Y., see K. Hyomi 76&77 (1988) 462
Mock, R., see S. Blumenröder 76&77 (1988) 331
Möhle, W., see G. Adrian 76&77 (1988) 642
Moore, J.M., W.H. Wong, M.D. Lan, W.G. Clark, D.E. MacLaughlin, Z. Fisk, J.W. Smith and H.R. Ott, Local moment fluctuations in the superconducting state of $U_{0.999}Gd_{0.001}Be_{13}$ 76&77 (1988) 530
Morán, E., see A. del Moral 76&77 (1988) 612
Mori, K., see Y. Isikawa 76&77 (1988) 161
Mōri, N., see G. Oomi 76&77 (1988) 647
Morin, P., J. Rouchy, Y. Miyako and T. Nishioka, Quadrupolar interactions in cubic Ce intermetallics 76&77 (1988) 319
Morin, P., see K. Hyomi 76&77 (1988) 462
Mortimer, M.J., see J.A. Chilton 76&77 (1988) 171
Moser, J., see J. Gal 76&77 (1988) 650
Moshchalkov, V.V., Heavy fermions in the coherent regime and localization effects in high T_c superconductors (*Invited paper*) 76&77 (1988) 213
Moshchalkov, V.V., see F.G. Aliev 76&77 (1988) 272
Moshchalkov, V.V., see F.G. Aliev 76&77 (1988) 295
Moshchalkov, V.V., see B.B. Voronov 76&77 (1988) 317
Moshchalkov, V.V., see I.V. Zubov 76&77 (1988) 623
Motoya, K., see Y. Uwatoko 76&77 (1988) 411
Müller, H., E. Bauer, E. Gratz, K. Yoshimura, T. Nitta and M. Mekata, Temperature induced valence transition in (Yb_xIn_{1-x})-Cu_2 ($x = 0.35, 0.50, 0.55$) 76&77 (1988) 159
Müller, H., see E. Gratz 76&77 (1988) 275
Müller, T., W. Joss, J. van Ruitenbeek, U. Welp, P. Wyder and Z. Fisk, Magnetic field dependence of the many-body enhancement on the Fermi surface of CeB_6 76&77 (1988) 35
Müller-Hartmann, E., see H.J. Schmidt 76&77 (1988) 75
Müller-Hartmann, E., see M. Drzazga 76&77 (1988) 576
Murani, A.P., see A. Najib 76&77 (1988) 135
Murani, A.P., see D. Gignoux 76&77 (1988) 401
Murani, A.P., see M. Loewenhaupt 76&77 (1988) 408
Murani, A.P., see G. Knopp 76&77 (1988) 420
Murayama, S., see K. Hyomi 76&77 (1988) 462
Muttik, I.G., see I.V. Zubov 76&77 (1988) 623
Myer, G.H., see C.-S. Jee 76&77 (1988) 617
Myer, G.H., see A. Kebede 76&77 (1988) 619

Naegele, J.R., see S. Blumenröder 76&77 (1988) 331
Naegele, J.R., see A. Grassmann 76&77 (1988) 359
Nagamine, K., see K. Hyomi 76&77 (1988) 462
Najib, A., J. Pierre, M.J. Besnus, P. Haen, A.P. Murani and E. Siaud, Correlations in heavy fermions close to magnetic instability: $CeInCu_2$ 76&77 (1988) 135
Nakai, Y., see Y. Ōnuki 76&77 (1988) 119
Nakajima, H., see I. Watanabe 76&77 (1988) 599
Nakajima, H., see K. Kumagai 76&77 (1988) 601
Nakamichi, Y., see K. Kumagai 76&77 (1988) 601
Nakamura, A., see A. Okiji 76&77 (1988) 245
Nakamura, H., Y. Kitaoka, K. Asayama and J. Flouquet, NMR study of the onset of magnetic ordering in $CeAl_3$ 76&77 (1988) 465
Nakamura, H., Y. Kitaoka, K. Asayama, Y.

Ōnuki and T. Komatsubara, Observation of two phase transitions in the Heusler heavy fermion system $CeInCu_2$ 76&77 (1988) 467

Nakamura, H., Y. Kitaoka, H. Yamada and K. Asayama, Discovery of antiferromagnetic ordering above upper critical field in the heavy fermion superconductor $CeCu_2Si_2$ 76&77 (1988) 517

Nakamura, O., A. Oyamada, A. Ochiai, S. Kunii, T. Takeda, T. Suzuki and T. Kasuya, Magnetic and transport properties in $Yb_4As_{2.7}P_{0.3}$ 76&77 (1988) 293

Nakamura, S., T. Goto, T. Fujimura, M. Kasaya and T. Kasuya, Ultrasonic attenuation of the valence fluctuation compound SmB_6 76&77 (1988) 312

Nakamura, Y., see I. Watanabe 76&77 (1988) 599

Nakamura, Y., see K. Kumagai 76&77 (1988) 601

Nakano, M., see M. Kontani 76&77 (1988) 655

Nakazawa, Y., see T. Takabatake 76&77 (1988) 87

Nambudripad, N., see E.V. Sampathkumaran 76&77 (1988) 645

Nanba, T., see Y.S. Kwon 76&77 (1988) 350

Nichols, D., see A. Kebede 76&77 (1988) 619

Niederhofer, H., see H. Adrian 76&77 (1988) 533

Niederhofer, H., see G. Adrian 76&77 (1988) 642

Nieuwenhuys, G.J., see R.A. Steeman 76&77 (1988) 435

Nikl, D., see T.J. Kim 76&77 (1988) 604

Nishi, M., see Y. Uwatoko 76&77 (1988) 411

Nishioka, T., see H. Amitsuka 76&77 (1988) 168

Nishioka, T., see P. Morin 76&77 (1988) 319

Nishioka, T., see K. Hyomi 76&77 (1988) 462

Nishiyama, K., see K. Hyomi 76&77 (1988) 462

Nitta, T., see H. Müller 76&77 (1988) 159

Noguchi, S., see Y. Takigawa 76&77 (1988) 345

Norman, M.R., Magnetic fluctuations and heavy electron superconductivity 76&77 (1988) 513

Novakova, A.A., see I.V. Zubov 76&77 (1988) 623

Nowak, M., see G. Sparn 76&77 (1988) 153

Ochiai, A., see T. Furuno 76&77 (1988) 117

Ochiai, A., see O. Nakamura 76&77 (1988) 293

Ochiai, A., see K. Baba 76&77 (1988) 297

Oda, Y., see Y. Kohori 76&77 (1988) 478

Odin, J., see J. Souletie 76&77 (1988) 123

Odin, J., E. Bucher, A.A. Menovsky, L. Taillefer and A. de Visser, Low-temperature anomalies in the specific heat of heavy-fermion UPt_3 76&77 (1988) 223

Ogata, M., see H. Shiba 76&77 (1988) 59

Ogura, Y., see M. Kontani 76&77 (1988) 655

Oguro, I., see T. Takabatake 76&77 (1988) 87

Ohe, Y., see T. Goto 76&77 (1988) 305

Ohkawa, F.J., see G. Oomi 76&77 (1988) 145

Okabe, A., see M. Kasaya 76&77 (1988) 347

Okabe, Y., see Y. Kitaoka 76&77 (1988) 527

Okiji, A., N. Kawakami and T. Usuki, Magnetization curve for the heavy fermion compounds $CeAl_3$ and $CeCu_2Si_2$ 76&77 (1988) 121

Okiji, A., N. Kawakami and A. Nakamura, Resistivity and thermopower for the Ce-Kondo system in the crystalline field 76&77 (1988) 245

Okuda, K., see Y. Takigawa 76&77 (1988) 345

Oleś, A.M. and J. Zaanen, Model study of antiferromagnetism in high-T_c superconducting oxides 76&77 (1988) 568

Omi, T., see Y. Ōnuki 76&77 (1988) 37

Omi, T., see Y. Ōnuki 76&77 (1988) 119

Ōnuki, Y., Y. Kurosawa, T. Omi, T. Komatsubara, R. Yoshizaki, H. Ikeda, K. Maezawa, S. Wakabayashi, A. Umezawa, W.K. Kwok and G.W. Crabtree, Fermi surface and cyclotron mass in RB_6 and RCu_6 76&77 (1988) 37

Ōnuki, Y., Y. Nakai, T. Omi, T. Yamazaki and T. Komatsubara, Metamagnetic behavior in Ce-Kondo lattice compounds 76&77 (1988) 119

Ōnuki, Y., see K. Satoh 76&77 (1988) 128

Ōnuki, Y., see G. Oomi 76&77 (1988) 145

Ōnuki, Y., see Y. Isikawa 76&77 (1988) 161

Ōnuki, Y., see S. Takayanagi 76&77 (1988) 163

Ōnuki, Y., see S. Takayanagi 76&77 (1988) 281

Ōnuki, Y., see H. Nakamura 76&77 (1988) 467

Oomi, G., K. Takahashi, F.J. Ohkawa, Y. Ōnuki and T. Komatsubara, Thermal expansion of single crystalline $CeCu_6$ 76&77 (1988) 145

Oomi, G., K. Izuki, J. Suzaki and N. Mōri, High pressure synthesis and instability of surface structure of heavy fermion material $CePb_3$ 76&77 (1988) 647

Osborn, R., M. Hagen, D.L. Jones, W.G. Stirling, G.H. Lander, K. Mattenberger and O. Vogt, High energy magnetic inelastic neutron scattering on USb and UTe 76&77 (1988) 429

Osborn, R., see G. Amoretti 76&77 (1988) 432

Ott, H.R., see S. Barth 76&77 (1988) 455

Ott, H.R., see P. Bonville 76&77 (1988) 473

Ott, H.R., see J.M. Moore 76&77 (1988) 530

Ott, H.R., see Z. Fisk 76&77 (1988) 637

Oyamada, A., see H. Kitazawa 76&77 (1988) 40

Oyamada, A., see O. Nakamura 76&77 (1988) 293

Pagès, M., see J. Gal 76&77 (1988) 650

Panissod, P., see M.J. Besnus 76&77 (1988) 471

Pawlak, L., see A. Böhm 76&77 (1988) 150

Pawlak, L., see M. Duczmal 76&77 (1988) 195

Pawlak, L., M. Duczmal and A. Zygmunt, Magnetic properties and crystal field in $MgYb_2S_4$ and $MgYb_2Se_4$ spinels 76&77 (1988) 199

Penney, T., see F.P. Milliken 76&77 (1988) 201

Perez, I., see A. Kebede 76&77 (1988) 619

Petersen, H., see S. Horn 76&77 (1988) 591

Phillips, N.E., see C. Marcenat 76&77 (1988) 115

Piasecki, M., see J. Kasperczyk 76&77 (1988) 589
Pierre, J., see A. Najib 76&77 (1988) 135
Pillmayr, N., see E. Bauer 76&77 (1988) 125
Pillmayr, N., see E. Bauer 76&77 (1988) 131
Pillmayr, N., see E. Gratz 76&77 (1988) 275
Pontes, M.J., see F.G. Gandra 76&77 (1988) 481
Potzel, W., see J. Gal 76&77 (1988) 650
Prager, M., see M. Loewenhaupt 76&77 (1988) 408
Prager, M., see M. Loewenhaupt 76&77 (1988) 415
Pryadun, V.V., see F.G. Aliev 76&77 (1988) 295
Ptasiewicz-Bak, B., A. Baran, W. Suski and J. Leciejewicz, Neutron diffraction study of $UCu_{4.5}Al_{7.5}$, (U, Th)Fe_4Al_8 and UFe_6Al_6 compounds 76&77 (1988) 439
Puech, L., see J.-M. Mignot 76&77 (1988) 97
Puech, L., see A. Lacerda 76&77 (1988) 138

Quezel, S., P. Burlet, J.L. Jacoud, L.P. Regnault, J. Rossat-Mignod, C. Vettier, P. Lejay and J. Flouquet, Magnetic ordering in $Ce_xLa_{1-x}Ru_2Si_2$ solid solutions 76&77 (1988) 403
Quitmann, C., B. Andraka, J.S. Kim, B. Treadway, G. Frauenberger, G.R. Stewart and J. Sticht, Understanding the formation of a heavy fermion ground state in UPt_4Au 76&77 (1988) 91

Radwański, R.J., J.J.M. Franse, S. Sinnema, H.J.M. Heerooms and J.H.P. Colpa, Magnetocrystalline anisotropy and magnetic structure of Nd_2Co_{17} 76&77 (1988) 182
Rahman, S., J.E. Crow, T. Mihalisin and P. Schlottmann, Localized f-electron antiferromagnetism, heavy fermion behavior and mixed valence in $Ce(Tl_{1-x}M_x)_3$ with M = Sn and Pb 76&77 (1988) 141
Rainford, B.D., L. Cussen, J. Jensen and D. Fort, Impurity mode dynamics of dilute erbium in praseodymium 76&77 (1988) 399
Ramakrishnan, T.V., Conference summary (theory) 76&77 (1988) 657
Rasul, J.W., see K.-J.-B. Lee 76&77 (1988) 80
Ravex, A., see J.P. Brison 76&77 (1988) 525
Regnault, L.P., see J. Rossat-Mignod 76&77 (1988) 376
Regnault, L.P., see S. Quezel 76&77 (1988) 403
Regnault, L.P., W.A.C. Erkelens, J. Rossat-Mignod, C. Vettier, S. Kunii and T. Kasuya, Inelastic neutron scattering study of the rare earth hexaboride CeB_6 76&77 (1988) 413
Reichert, W., see J. Hauck 76&77 (1988) 651
Reilly, K., see S. Horn 76&77 (1988) 591
Reinders, P.H.P., see M. Springford 76&77 (1988) 11
Renker, B., see H. Rietschel 76&77 (1988) 105
Renker, B., see A. Loidl 76&77 (1988) 441
Ribeiro-Teixeira, R., see L.G. Brunnet 76&77 (1988) 396
Rice, T.M., see M. Sigrist 76&77 (1988) 487
Rice, T.M., Superconductivity in strongly correlated electron liquids (*Invited paper*) 76&77 (1988) 542
Riemersma, A.J., see M. van Sprang 76&77 (1988) 229
Rietschel, H., B. Renker, R. Felten, F. Steglich and G. Weber, Crystal-field effects and f-derived specific heats in heavy-fermion compounds (*Invited paper*) 76&77 (1988) 105
Rietschel, H., see A. Loidl 76&77 (1988) 441
Roeland, L.W., see M. van Sprang 76&77 (1988) 229
Röhler, J., J. Klug and K. Keulerz, The valence of cerium in $CeCu_2Si_2$ under high pressure 76&77 (1988) 340
Rossat-Mignod, J., L.P. Regnault, J.L. Jacoud, C. Vettier, P. Lejay, J. Flouquet, E. Walker, D. Jaccard and A. Amato, Inelastic neutron scattering study of cerium heavy fermion compounds (*Invited paper*) 76&77 (1988) 376
Rossat-Mignod, J., see S. Quezel 76&77 (1988) 403
Rossat-Mignod, J., see M. Jerjini 76&77 (1988) 405
Rossat-Mignod, J., see L.P. Regnault 76&77 (1988) 413
Rouchy, J., see P. Morin 76&77 (1988) 319

Sadikov, I.P., see P.A. Alekseev 76&77 (1988) 423
Saemann-Ischenko, G., see A. Grassmann 76&77 (1988) 359
Saemann-Ischenko, G., see J.P. Ströbel 76&77 (1988) 536
Saito, M., see K. Baba 76&77 (1988) 297
Sakai, O., see T. Kasuya 76&77 (1988) 46
Sakai, O., see Y.S. Kwon 76&77 (1988) 350
Sakakibara, T., see T. Takabatake 76&77 (1988) 87
Sakatsume, S., see H. Kitazawa 76&77 (1988) 40
Sakurai, J., H. Kamimura and Y. Komura, Thermoelectric power of $Ce(Pb_{1-x}Sn_x)_3$ 76&77 (1988) 287
Salomon, R.E., see A. Kebede 76&77 (1988) 619
Sampathkumaran, E.V., S.K. Dhar, N. Nambudripad, R. Vijayaraghavan, R. Kuentzler and Y. Dossmann, The effect of Ni and Pt substitution in $CeRh_2Si_2$ 76&77 (1988) 645
Sanchez, J., see J.M. Broto 76&77 (1988) 289
Sasaki, W., see T. Furuno 76&77 (1988) 117
Saso, T., Susceptibility of mixed valent Tm impurities 76&77 (1988) 176
Sato, K., see Y. Isikawa 76&77 (1988) 161
Sato, N., see M. Kontani 76&77 (1988) 655
Satoh, K., T. Fujita, Y. Maeno, Y. Ōnuki and T. Komatsubara, Low-temperature specific heat of $Ce_xLa_{1-x}Cu_6$ in magnetic field 76&77 (1988) 128
Satoh, K., see T. Fujita 76&77 (1988) 133
Satoh, T., see H. Kitazawa 76&77 (1988) 40
Satoh, T., see M. Kasaya 76&77 (1988) 347
Satoh, T., see F. Hippert 76&77 (1988) 417
Sattelberger, A.P., see J.D. Thompson 76&77 (1988) 437
Schäfer, W., see O. Strebel 76&77 (1988) 597
Schaible, M., see S. Horn 76&77 (1988) 591
Schefzyk, R., see G. Sparn 76&77 (1988) 153

Schenck, A., see S. Barth 76&77 (1988) 455
Schiebeling, W., see G. Sparn 76&77 (1988) 153
Schlott, M., see B. Elschner 76&77 (1988) 444
Schlott, M., see J. Sticht 76&77 (1988) 469
Schlottmann, P., see K.-J.-B. Lee 76&77 (1988) 80
Schlottmann, P., see S. Rahman 76&77 (1988) 141
Schlottmann, P., see C.-S. Jee 76&77 (1988) 617
Schlottmann, P., see A. Kebede 76&77 (1988) 619
Schmerber, G., see J.P. Kappler 76&77 (1988) 185
Schmidt, H.J. and E. Müller-Hartmann, Selection rules for hybridization 76&77 (1988) 75
Schmitt, D., see E. Bauer 76&77 (1988) 125
Schmitt, D., see E. Bauer 76&77 (1988) 131
Schmitt, D., see R.M. Marsolais 76&77 (1988) 269
Schmitt, D., see D. Gignoux 76&77 (1988) 401
Schoenes, J., see M. van Sprang 76&77 (1988) 229
Schulz, D., see V. Zlatić 76&77 (1988) 70
Schwarz, M., see T.J. Kim 76&77 (1988) 604
Schweitzer, H. and G. Czycholl, Standard perturbation treatment of the periodic Anderson model 76&77 (1988) 77
Scolozdra, R.V., see F.G. Aliev 76&77 (1988) 295
Sechovsky, V., see L. Havela 76&77 (1988) 89
Sechovsky, V., see F.U. Hillebrecht 76&77 (1988) 353
Sereni, J.G., see J.P. Kappler 76&77 (1988) 185
Shiba, H. and M. Ogata, Numerical studies of the ground state of strongly correlated electron systems (*Invited paper*) 76&77 (1988) 59
Shibai, H., see Y. Kohori 76&77 (1988) 478
Shibata, M., see S. Takayanagi 76&77 (1988) 163
Shigeoka, T., see H. Fujii 76&77 (1988) 179
Shigeoka, T., N. Iwata and H. Fujii, Crystal field in $NdMn_2Ge_2$ 76&77 (1988) 189
Shigeoka, T., see T. Kimura 76&77 (1988) 191
Shirane, G., see G. Aeppli 76&77 (1988) 385
Siaud, E., see A. Najib 76&77 (1988) 135
Sierro, J., see S.Y. Mao 76&77 (1988) 241
Sierro, J., see D. Jaccard 76&77 (1988) 255
Sierro, J., see A. Amato 76&77 (1988) 263
Sigrist, M. and T.M. Rice, Phenomenological theory of the superconductivity phase diagram of $U_{1-x}Th_xBe_{13}$ (*Invited paper*) 76&77 (1988) 487
Šima, V., see Š. Zajac 76&77 (1988) 197
Simmerl, M., see J.P. Ströbel 76&77 (1988) 536
Sinha, S.K., see A.J. Fedro 76&77 (1988) 582
Sinnema, S., see R.J. Radwański 76&77 (1988) 182
Ślebarski, A., E. Zipper and M. Drzazga, Resistivity anomalies due to charge fluctuations of Ce and Pr impurities 76&77 (1988) 249
Smetana, Z., see Š. Zajac 76&77 (1988) 197
Smith, J.L., see H.A. Borges 76&77 (1988) 235
Smith, J.L., see S.Y. Mao 76&77 (1988) 241
Smith, J.L., see J.P. Brison 76&77 (1988) 243
Smith, J.L., see G.R. Stewart 76&77 (1988) 484
Smith, J.L., see J.P. Brison 76&77 (1988) 525
Smith, J.W., see J.M. Moore 76&77 (1988) 530
Söldner, K., see A. Grassmann 76&77 (1988) 359
Souletie, J., J.P. Brison, A. de Visser and J. Odin, Static scaling in heavy fermions 76&77 (1988) 123
Sparn, G., R. Caspary, U. Gottwick, A. Grauel, U. Habel, M. Lang, M. Nowak, R. Schefzyk, W. Schiebeling, H. Spille, M. Winkelmann, A. Zuber, F. Steglich and A. Loidl, Heavy fermion effects in $Ce(Cu_{1-x}Ni_x)_2Ge_2$ 76&77 (1988) 153
Sparn, G., see P. van Aken 76&77 (1988) 523
Spille, H., see G. Sparn 76&77 (1988) 153
Spille, H., see G. Knopp 76&77 (1988) 420
Spille, H., see P. van Aken 76&77 (1988) 523
Spille, H., M. Winkelmann, U. Ahlheim, C.D. Bredl, F. Steglich, P. Haen, J.M. Mignot, J.L. Tholence and R. Tournier, Coexistence of spin-glass freezing and heavy-fermion superconductivity in $Ce_{1-x}Gd_xCu_{2.2}Se_2$ 76&77 (1988) 539
Springford, M. and P.H.P. Reinders, Heavy quasiparticles in cerium compounds studied using the dHvA effect (*Invited paper*) 76&77 (1988) 11
Steeman, R.A., E. Frikkee, C. van Dijk, G.J. Nieuwenhuys and A.A. Menovsky, Neutron scattering experiments on UPt_2Si_2 76&77 (1988) 435
Steglich, F., see H. Rietschel 76&77 (1988) 105
Steglich, F., see A. Böhm 76&77 (1988) 150
Steglich, F., see G. Sparn 76&77 (1988) 153
Steglich, F., see G. Knopp 76&77 (1988) 420
Steglich, F., see U. Ahlheim 76&77 (1988) 520
Steglich, F., see P. van Aken 76&77 (1988) 523
Steglich, F., see H. Spille 76&77 (1988) 539
Stewart, G.R., see C. Quitmann 76&77 (1988) 91
Stewart, G.R., Z. Fisk, J.L. Smith, J.J.M. Franse, A.A. Menovsky and B.L. Brandt, High field specific heat of single crystal UPt_3 (*Invited paper*) 76&77 (1988) 484
Stewart, G.R., see U. Ahlheim 76&77 (1988) 520
Sticht, J., see C. Quitmann 76&77 (1988) 91
Sticht, J., M. Schlott, J. Kübler and B. Elschner, Comparison of band-structure-calculation and ESR measurement of $CePd_3$ 76&77 (1988) 469
Stirling, W.G., see K.A. McEwen 76&77 (1988) 426
Stirling, W.G., see R. Osborn 76&77 (1988) 429
Strebel, O., G. Kaindl, A. Kolodziejcyk, W. Schäfer, R. Kiemel, S. Lösch and S. Kemmler-Sack, Electronic structure of $YBa_2Cu_3O_{7-\delta}$ from Cu-L_{III} X-ray absorption 76&77 (1988) 597
Ströbel, J.P., M. Simmerl, H. Adrian, A. Thomä, G. Adrian, B. Hensel and G. Saemann-Ischenko, Evidence for second phase transitions in the superconducting states of heavy-fermion systems and high-T_c superconductors 76&77 (1988) 536
Strobel, P., see F. Holtzberg 76&77 (1988) 626

Sulpice, A., see R. Tournier 76&77 (1988) 552
Susaki, J., see S. Yomo 76&77 (1988) 257
Suski, W., see B. Ptasiewicz-Bak 76&77 (1988) 439
Suzaki, J., see G. Oomi 76&77 (1988) 647
Suzuki, H., see H. Kitazawa 76&77 (1988) 40
Suzuki, H., see T. Furuno 76&77 (1988) 117
Suzuki, T., see H. Kitazawa 76&77 (1988) 40
Suzuki, T., see T. Furuno 76&77 (1988) 117
Suzuki, T., see H. Amitsuka 76&77 (1988) 168
Suzuki, T., see O. Nakamura 76&77 (1988) 293
Suzuki, T., see K. Baba 76&77 (1988) 297
Suzuki, T., see T. Goto 76&77 (1988) 305
Suzuki, T., see H. Matsui 76&77 (1988) 321
Suzuki, T., see Y.S. Kwon 76&77 (1988) 350

Taillefer, L., J. Flouquet and W. Joss, High-field magnetoresistance of UPt_3 76&77 (1988) 218
Taillefer, L., see J. Odin 76&77 (1988) 223
Takabatake, T., Y. Nakazawa, M. Ishikawa, T. Sakakibara, K. Koga and I. Oguro, Transition from valence-fluctuating state with a gap to magnetic Kondo state in $CeNi_{1-x}Cu_xSn$ 76&77 (1988) 87
Takahashi, K., see G. Oomi 76&77 (1988) 145
Takahashi, T., see M. Kasaya 76&77 (1988) 347
Takahashi, T., see Y. Kitaoka 76&77 (1988) 527
Takayanagi, S., M. Shibata, N. Wada, T. Watanabe, Y. Ōnuki and T. Komatsubara, Successive phase transitions in metamagnetic $NdCu_6$ 76&77 (1988) 163
Takayanagi, S., S.B. Woods, N. Wada, T. Watanabe, Y. Ōnuki, A. Kobori, T. Komatsubara, M. Imai and H. Asano, Magnetic and transport properties in the cubic heavy fermion system $CeInCu_2$ 76&77 (1988) 281
Takeda, H., see Y. Isikawa 76&77 (1988) 161
Takeda, N., see H. Kitazawa 76&77 (1988) 40
Takeda, T., see O. Nakamura 76&77 (1988) 293
Takigawa, Y., S. Noguchi and K. Okuda, XPS study in CeAg and $EuCu_2Si_2$ at low temperatures down to 4 K 76&77 (1988) 345
Tamaki, A., see T. Goto 76&77 (1988) 305
Tamaki, A., see H. Matsui 76&77 (1988) 321
Tanaka, M., see K. Baba 76&77 (1988) 297
Tani, T., see M. Kasaya 76&77 (1988) 278
Tapuchi, S., see J. Gal 76&77 (1988) 650
Taylor, A.D., see G. Amoretti 76&77 (1988) 432
Temmerman, W.M., see H.D. Langford 76&77 (1988) 43
Thalmeier, P., Temperature and field dependence of elastic properties in heavy fermion compounds (*Invited paper*) 76&77 (1988) 299
Thole, B.T., see F.U. Hillebrecht 76&77 (1988) 353
Tholence, J.L., see H. Spille 76&77 (1988) 539
Thomä, A., see J.P. Ströbel 76&77 (1988) 536
Thomas, M. and L. Kowalewski, Mechanism of continuous magnetic phase transition in CeX (X = Bi, As, P) 76&77 (1988) 85
Thompson, J.D., see H.A. Borges 76&77 (1988) 235
Thompson, J.D., see S. Blumenröder 76&77 (1988) 331
Thompson, J.D., A.C. Lawson, M.W. McElfresh, A.P. Sattelberger and Z. Fisk, Elastic neutron scattering in UCd_{11} 76&77 (1988) 437
Thompson, J.D., see Z. Fisk 76&77 (1988) 637
Ting, S.T., see A.I. Goldman 76&77 (1988) 607
Toşa, V., see Zs. Gulácsi 76&77 (1988) 515
Tournier, R., see H. Spille 76&77 (1988) 539
Tournier, R., A. Sulpice, P. Lejay, O. Laborde and J. Beille, Heavy fermion systems and high T_c superconductors: some common features (*Invited paper*) 76&77 (1988) 552
Tran, V.H., see R. Troć 76&77 (1988) 226
Treadway, B., see C. Quitmann 76&77 (1988) 91
Tretyakov, Yu.D., see I.V. Zubov 76&77 (1988) 623
Troć, R. and V.H. Tran, Magnetic and transport properties of the alloyed heavy fermion systems $UPt_{5-x}(Pd, Au)_x$ 76&77 (1988) 226

Ueda, E., see H. Fujii 76&77 (1988) 179
Ueda, K. and R. Konno, Superconductivity and antiferromagnetism in heavy electron systems 76&77 (1988) 507
Umehara, I., see Y. Isikawa 76&77 (1988) 161
Umezawa, A., see Y. Ōnuki 76&77 (1988) 37
Usuki, T., see A. Okiji 76&77 (1988) 121
Uwatoko, Y., see T. Fujita 76&77 (1988) 133
Uwatoko, Y., see H. Fujii 76&77 (1988) 179
Uwatoko, Y., H. Fujii, M. Nishi, K. Motoya and Y. Ito, Neutron diffraction and magnetic studies of $CeZn_{1-x}Cu_x$ single crystals 76&77 (1988) 411

Van Aken, P., see U. Ahlheim 76&77 (1988) 520
Van Aken, P., U. Ahlheim, C.D. Bredl, F.R. de Boer, D. Enkler, G. Sparn, H. Spille and F. Steglich, Evidence for antiferromagnetism in $Ce_{1-x}La_xCu_{2.2}Si_2$ below 10 K 76&77 (1988) 523
Van Bentum, P.J.M., H.F.C. Hoevers, L.E.C. van de Leemput and H. van Kempen, The superconductive ground state of $YBa_2Cu_3O_{7-\delta}$ (*Invited paper*) 76&77 (1988) 561
Van de Leemput, L.E.C., see P.J.M. van Bentum 76&77 (1988) 561
Van der Kraan, A.M., see P.C.M. Gubbens 76&77 (1988) 187
Van der Kraan, A.M., see P.C.M. Gubbens 76&77 (1988) 615
Van Dijk, C., see R.A. Steeman 76&77 (1988) 435
Van Kempen, H., see P.J.M. van Bentum 76&77 (1988) 561
Van Loef, J.J., see P.C.M. Gubbens 76&77 (1988) 615
Van Ruitenbeek, J., see T. Müller 76&77 (1988) 35
Van Sprang, M., see A. de Visser 76&77 (1988) 112
Van Sprang, M., see J.J.M. Franse 76&77 (1988) 147
Van Sprang, M., R.A. Boer, A.J. Riemersma, L.W. Roeland, A.A. Menovsky, J.J.M. Franse and J. Schoenes, Hall effect of

single-crystalline $U(Pt, Pd)_3$ in high magnetic fields 76&77 (1988) 229
Van Sprang, M., see T. Vorenkamp 76&77 (1988) 531
Vandervoort, K.G., see G.W. Crabtree 76&77 (1988) 547
Veenhuizen, P.A., see L. Havela 76&77 (1988) 89
Veenhuizen, P.A., J.B. Bouwer, F.R. de Boer and P.F. de Châtel, Specific heat and high field magnetoresistivity of $Ce(Pd_{1-x}Ag_x)_3$ 76&77 (1988) 165
Vettier, C., see J. Rossat-Mignod 76&77 (1988) 376
Vettier, C., see S. Quezel 76&77 (1988) 403
Vettier, C., see L.P. Regnault 76&77 (1988) 413
Vijayaraghavan, R., see E.V. Sampathkumaran 76&77 (1988) 645
Vogt, O., see R. Osborn 76&77 (1988) 429
Voiron, J., see J.-M. Mignot 76&77 (1988) 97
Vorenkamp, T., see A. de Visser 76&77 (1988) 112
Vorenkamp, T., K. Kadowaki, A. de Visser, P. Haen, V.J.M. Meulenbroek, M. van Sprang and J.J.M. Franse, Enhancement of T_c of heavy-fermion superconductor UPt_3 by alloying with B 76&77 (1988) 531
Voronov, B.B., A.I. Korobov and V.V. Moshchalkov, Nonlinear acoustic properties of $CeAl_3$ Kondo lattice 76&77 (1988) 317

Wada, N., see S. Takayanagi 76&77 (1988) 163
Wada, N., see S. Takayanagi 76&77 (1988) 281
Wakabayashi, S., see Y. Ōnuki 76&77 (1988) 37
Walker, E., see J. Rossat-Mignod 76&77 (1988) 376
Watanabe, I., K. Kumagai, Y. Nakamura and H. Nakajima, Effects of oxygen deficiencies and magnetic impurities on NQR properties of La–M–Cu–O (M = Ba, Sr) systems 76&77 (1988) 599
Watanabe, I., see K. Kumagai 76&77 (1988) 601
Watanabe, T., see S. Takayanagi 76&77 (1988) 163
Watanabe, T., see S. Takayanagi 76&77 (1988) 281
Watanabe, T., see Y. Kuramoto 76&77 (1988) 571
Weber, D., I. Kouroudis, B. Lüthi, G. Bruls, M. Yoshizawa, P. Haen, J. Flouquet, E. Bucher and J. Hufnagel, Magnetoacoustic properties of the heavy fermion compounds $CeRu_2Si_2$ and UPt_3 76&77 (1988) 315
Weber, G., see H. Rietschel 76&77 (1988) 105
Welp, U., see T. Müller 76&77 (1988) 35
Welp, U., see G.W. Crabtree 76&77 (1988) 547
Winkelmann, M., see G. Sparn 76&77 (1988) 153
Winkelmann, M., see U. Ahlheim 76&77 (1988) 520
Winkelmann, M., see H. Spille 76&77 (1988) 539
Winzer, K., see E. Bauer 76&77 (1988) 125
Wischmann, H.-A., see M. Drzazga 76&77 (1988) 576
Wohlleben, D., Demagnetization of local moments by lattice degrees of freedom 76&77 (1988) 93
Wojciechowski, R. and L. Kowalewski, Bulk and surface magnetic central mode in cerium monopnictides 76&77 (1988) 369
Wolf, B., see T.J. Kim 76&77 (1988) 604
Wölfle, P., Unconventional superconductivity in heavy fermion compounds (*Invited paper*) 76&77 (1988) 492
Wong, W.H., see J.M. Moore 76&77 (1988) 530
Woods, S.B., see S. Takayanagi 76&77 (1988) 281
Worthington, T.K., see F. Holtzberg 76&77 (1988) 626
Würtz, E.M., see J. Hauck 76&77 (1988) 651
Wyder, P., see T. Müller 76&77 (1988) 35
Wyder, P., see A.M. Duif 76&77 (1988) 335

Yamada, H., see H. Nakamura 76&77 (1988) 517
Yamazaki, T., see Y. Ōnuki 76&77 (1988) 119
Yamazaki, T., see K. Hyomi 76&77 (1988) 462
Yomo, S., L. Gao, R.L. Meng, P.H. Hor, C.W. Chu and J. Susaki, Electrical resistivity of $CeCu_6$ under high pressure 76&77 (1988) 257
Yoshimura, K., see H. Müller 76&77 (1988) 159
Yoshizaki, R., see Y. Ōnuki 76&77 (1988) 37
Yoshizawa, M., see D. Weber 76&77 (1988) 315
Yuen, T., see C.-S. Jee 76&77 (1988) 617

Zaanen, J., see A.M. Oleś 76&77 (1988) 568
Zajac, Š., M. Diviš, V. Šíma and Z. Smetana, Crystal field in $TmCu_2$ compound 76&77 (1988) 197
Zalyalyutdinov, M.K., see F.G. Aliev 76&77 (1988) 272
Zalyalyutdinov, M.K., see F.G. Aliev 76&77 (1988) 295
Zerguine, M., see D. Gignoux 76&77 (1988) 401
Zevin, V., G. Zwicknagl and P. Fulde, Temperature dependence of the 4f quadrupole moment in heavy fermion systems 76&77 (1988) 475
Zhang, S.-f., see P.M. Levy 76&77 (1988) 73
Zipper, E., see A. Ślebarski 76&77 (1988) 249
Zirngiebl, E., see S. Blumenröder 76&77 (1988) 331
Zlatić, V., A.A. Aligia and D. Schulz, Electronic properties of the periodic Anderson model 76&77 (1988) 70
Żołnierek, Z., Hybridization effects with nearest and next nearest neighbours in U(In, Sn)(Au, Pt)$_2$ compounds 76&77 (1988) 231
Zuber, A., see A. Böhm 76&77 (1988) 150
Zuber, A., see G. Sparn 76&77 (1988) 153
Zubov, I.V., A.S. Ilyushin, A.A. Novakova, R.N. Kuzmin, V.V. Moshchalkov, I.G. Muttik, A.R. Kaul, I.E. Graboy and Yu.D. Tretyakov, Mössbauer spectroscopy studies of crystal fields in $YBa_2(Cu_{1-x}Fe_x)_3O_{7-y}$ 76&77 (1988) 623
Zwicknagl, G., Towards a better understanding of low-energy excitations in heavy-fermion systems (*Invited paper*) 76&77 (1988) 16
Zwicknagl, G., see V. Zevin 76&77 (1988) 475
Zygmunt, A., see L. Pawlak 76&77 (1988) 199

SUBJECT INDEX TO VOLUMES 76 & 77

Absorption
– L_{III} X-ray 76&77 (1988) 340, 597
Acoustic de Haas–van Alphen effect 76&77 (1988) 305
Actinides 76&77 (1988) 432
α-$ThBr_4$ 76&77 (1988) 363
α-$ThCl_4$ 76&77 (1988) 363
Anderson Hamiltonian 76&77 (1988) 324
Anderson lattice 76&77 (1988) 65
Anderson model 76&77 (1988) 70, 77, 80, 475
Andreev reflection 76&77 (1988) 561
Angular overlap model 76&77 (1988) 363
Anisotropic mixing 76&77 (1988) 73
Anisotropy 76&77 (1988) 269, 609
– magnetocrystalline 76&77 (1988) 182
Anomalous magnetism 76&77 (1988) 530
Anomaly
– dielectric 76&77 (1988) 297
– Kondo 76&77 (1988) 105
– Schottky 76&77 (1988) 105
Antiferromagnetic order 76&77 (1988) 141, 143, 185, 260, 265, 267, 517, 568, 582, 585
Antiferromagnetism 76&77 (1988) 233, 278, 371, 385, 449, 507, 585
Au 76&77 (1988) 233
$AuBe_5$ 76&77 (1988) 637

$Ba_{1-x}K_xBiO_3$ 76&77 (1988) 547
Band structure 76&77 (1988) 582
– $CePd_3$ 76&77 (1988) 469
– UPt_4Au 76&77 (1988) 91
– $YBa_2Cu_3O_7$ 76&77 (1988) 579
β-$TlBr_4$ 76&77 (1988) 363
β-$ThCl_4$ 76&77 (1988) 363
Bethe ansatz 76&77 (1988) 80
BIS 76&77 (1988) 324
$Bi_{2-x}SrCaCuO_{6+\delta}$ 76&77 (1988) 552
$Bi_{2-x}Sr_2CaCu_2O_{8+\delta}$ 76&77 (1988) 552
$Bi_{2-x}Sr_2Ca_2Cu_3O_{10+\delta}$ 76&77 (1988) 552
$Bi_{2-x}Sr_2CuO_{6+\delta}$ 76&77 (1988) 552
$Bi_2Sr_{1-x}CuO_x$ 76&77 (1988) 626
Bonding 76&77 (1988) 43
Bose condensation 76&77 (1988) 589
Bulk moduli 76&77 (1988) 604

$CaCu_5$ 76&77 (1988) 637
$CaCu_2O_3$ 76&77 (1988) 651

Ce compounds 76&77 (1988) 43, 121, 185, 245, 283, 319, 396, 405, 417, 423
Ce monopnictides 76&77 (1988) 46, 85, 369
CeAg 76&77 (1988) 319, 345, 462
$CeAg_{3.1}Al_{7.9}$ 76&77 (1988) 653
$Ce_2Ag_{8.8}Al_{8.2}$ 76&77 (1988) 653
$Ce_3Ag_{2.6}Al_{6.4}$ 76&77 (1988) 653
$CeAg_2Ge_2$ 76&77 (1988) 150, 420
$CeAg_{0.97}In_{0.03}$ 76&77 (1988) 462
$CeAg_2Si_2$ 76&77 (1988) 420
$CeAl_2$ 76&77 (1988) 11, 115, 119, 275, 637
$CeAl_3$ 76&77 (1988) 115, 121, 173, 201, 255, 269, 281, 317, 365, 423, 449, 465
$CeAlCu_4$ 76&77 (1988) 637
$CeAlZn_2Cu_2$ 76&77 (1988) 637
CeAs 76&77 (1988) 85
$CeAu_2Ge_2$ 76&77 (1988) 150
CeB_6 76&77 (1988) 11, 35, 37, 43, 115, 119, 269, 337, 391, 413
CeBi 76&77 (1988) 85
$Ce_3Co_3Al_4$ 76&77 (1988) 653
$CeCo_2Ge_2$ 76&77 (1988) 179
$CeCu_2$ 76&77 (1988) 119, 131, 275, 415
$CeCu_5$ 76&77 (1988) 125, 423, 637
$CeCu_6$ 76&77 (1988) 11, 115, 119, 123, 128, 145, 173, 201, 207, 218, 243, 257, 263, 281, 299, 449, 642
$CeCu_3Al_2$ 76&77 (1988) 221
$CeCu_4Al$ 76&77 (1988) 125, 221
$CeCu_{5-x}Al_x$ 76&77 (1988) 221
$Ce(Cu_xAl_{1-x})_5$ 76&77 (1988) 125
$CeCu_4Ga$ 76&77 (1988) 125, 356
$Ce(Cu_xGa_{1-x})_2$ 76&77 (1988) 131
$Ce(Cu_xGa_{1-x})_5$ 76&77 (1988) 125
$CeCu_2Ge_2$ 76&77 (1988) 420
$Ce(Cu_{1-x}Ni_x)_2Ge_2$ 76&77 (1988) 153
$Ce(Cu_{1-x}Ru_x)Si_2$ 76&77 (1988) 536
$CeCu_2Si_2$ 76&77 (1988) 30, 121, 257, 269, 281, 340, 444, 449, 487, 492, 517, 523, 527, 642
$CeCu_{2.1}Si_2$ 76&77 (1988) 455
$CeCu_{2.2}Si_2$ 76&77 (1988) 520
$Ce_2Fe_{14}B$ 76&77 (1988) 408

$CeGa_2$ 76&77 (1988) 405
$Ce(Ga_{1-x}Al_x)_2$ 76&77 (1988) 405
$Ce_{1-x}Gd_xCu_{2.2}Si$ 76&77 (1988) 520, 539
$CeGe_{1.7}$ 76&77 (1988) 417
CeIn 76&77 (1988) 283
$CeIn_3$ 76&77 (1988) 115, 350
Ce_xInCu_2 76&77 (1988) 281
$CeInCu_2$ 76&77 (1988) 135, 281, 444, 449, 467
CeLa 76&77 (1988) 283
$Ce_xLa_{1-x}Cu_6$ 76&77 (1988) 128, 533
$Ce_{1-x}La_xCu_{2.2}Si$ 76&77 (1988) 520
$Ce_{1-x}La_xCu_{2.2}Si_2$ 76&77 (1988) 499, 523
$Ce_{1-x}La_xNiSn$ 76&77 (1988) 295
$Ce_{1-x}La_xRh_3B_2$ 76&77 (1988) 347
$Ce_{1-x}La_xRu_2Si_2$ 76&77 (1988) 115, 138, 143, 260, 263, 265, 267, 403
CeMg 76&77 (1988) 612
$CeNi_2$ 76&77 (1988) 319
$CeNi_5$ 76&77 (1988) 423
$Ce(Ni_{1-x}Cu_x)_5$ 76&77 (1988) 87
$Ce(Ni_{1-x}Cu_x)_2Si_2$ 76&77 (1988) 87
$Ce(Ni_{1-x}Cu_x)Sn$ 76&77 (1988) 87
$Ce(Ni_{1-x}Pd_x)Sn$ 76&77 (1988) 278
CeNiSn 76&77 (1988) 295
Central mode 76&77 (1988) 369
Central peak 76&77 (1988) 85
CeO_2 76&77 (1988) 361
$CeOs_2$ 76&77 (1988) 444
CeP 76&77 (1988) 85
$CePb_3$ 76&77 (1988) 141, 287
$Ce(Pb_{1-x}Sn_x)_3$ 76&77 (1988) 287
$CePd_3$ 76&77 (1988) 207, 278, 361, 396, 444, 469, 647
$Ce(Pd_{1-x}Ag_x)_3$ 76&77 (1988) 165
$CePd_3B_x$ 76&77 (1988) 123
$CePd_3B$ 76&77 (1988) 637
$Ce(Pd_{0.9}Co_{0.1})$ 76&77 (1988) 185
$Ce(Pd_{0.9}Ir_{0.1})$ 76&77 (1988) 185
$Ce(Pd_{0.9}Ni_{0.1})$ 76&77 (1988) 185
$Ce(Pd_{0.9}Pt_{0.1})$ 76&77 (1988) 185
$Ce(Pd_{0.9}Rh_{0.1})$ 76&77 (1988) 185
CePdSn 76&77 (1988) 278
CePtIn 76&77 (1988) 133
$CePt_2Si_2$ 76&77 (1988) 269, 401
$CeRh_3$ 76&77 (1988) 361
$CeRh_3B_2$ 76&77 (1988) 347
$CeRh_{2-x}Ni_xSi_2$ 76&77 (1988) 645
$CeRh_{1.8}Pt_{0.2}Si_2$ 76&77 (1988) 645
$CeRh_3Si_2$ 76&77 (1988) 645
$CeRu_2$ 76&77 (1988) 30
$Ce_3Ru_4Al_{12}$ 76&77 (1988) 653
$CeRu_2Ge_2$ 76&77 (1988) 150, 631
$CeRu_2Si_2$ 76&77 (1988) 97, 105, 115, 123, 243, 263, 267, 299, 507, 513
Ce_2S 76&77 (1988) 195
CeSb 76&77 (1988) 40
Ce_2Se 76&77 (1988) 195
$CeSi_{1.7}$ 76&77 (1988) 417
$CeSn_3$ 76&77 (1988) 287, 396, 513, 647
$CeSn_{2.5}In_{0.5}$ 76&77 (1988) 401
CeTe 76&77 (1988) 321, 350
Ce_2Te 76&77 (1988) 195
$CeTl_3$ 76&77 (1988) 141
$Ce(Tl_{1-x}Pb_x)_3$ 76&77 (1988) 141
$Ce(Tl_{1-x}Sn_x)_3$ 76&77 (1988) 141
$Ce_{1-x}Y_xCu_{2.2}Si_2$ 76&77 (1988) 520
$Ce_{1-x}Y_xRu_2Si_2$ 76&77 (1988) 143, 267
CeZn 76&77 (1988) 319, 411
$CeZn_5$ 76&77 (1988) 637
$CeZn_{1-x}Cu_x$ 76&77 (1988) 411
$CeZn_3Cu_2$ 76&77 (1988) 637
Coherence effect 76&77 (1988) 135, 201, 221, 263, 642
Copper oxides, ternary 76&77 (1988) 621
Correlated electron system
– strongly 76&77 (1988) 59
Correlations 76&77 (1988) 135
– antiferromagnetic 76&77 (1988) 119, 229
– electronic 76&77 (1988) 533, 536
– magnetic 76&77 (1988) 455
Coulomb blockade 76&77 (1988) 561
Coulomb interaction 76&77 (1988) 70, 391
Coupling
– electron–phonon 76&77 (1988) 441
– magnetic 76&77 (1988) 115
Critical field
– lower 76&77 (1988) 536
– upper 76&77 (1988) 547
Crystal field effect 76&77 (1988) 73, 145, 161, 165, 179, 182, 187, 189, 195, 197, 199, 238, 275, 363, 366, 408, 423, 426, 432, 435, 475, 589, 594, 607, 615
Crystal field excitation 76&77 (1988) 331
Crystal field–phonon interaction 76&77 (1988) 415
Crystal field stabilization 76&77 (1988) 621
Crystal growth 76&77 (1988) 631
Crystal structure 76&77 (1988) 435, 623, 637, 653, 655
Cu_3Au 76&77 (1988) 247
$Cu(Eu_{1-x}Pr_x)B_2Cu_3O_7$ 76&77 (1988) 591
CuO_2 76&77 (1988) 59, 527, 542

De Haas–van Alphen effect 76&77 (1988) 11, 35, 37, 40
Deformation potential 76&77 (1988) 299
Demagnetization 76&77 (1988) 93
Dense Kondo systems 76&77 (1988) 133, 321, 337, 347, 350, 413, 655
Dielectric anomaly 76&77 (1988) 297

Diffraction
– neutron 76&77 (1988) 405, 411, 437, 439
– X-ray 76&77 (1988) 647
Dilution studies 76&77 (1988) 324
Drude dispersion, modified 76&77 (1988) 350
$DyBa_2Cu_3O_7$ 76&77 (1988) 594, 612
$DyCu_2$ 76&77 (1988) 191
$Dy_2Fe_{14}B$ 76&77 (1988) 408
Dynamic alloy model 76&77 (1988) 249
Dynamical susceptibility 76&77 (1988) 396
$DyNi_5$ 76&77 (1988) 187

Elastic constants 76&77 (1988) 299, 312, 317, 604
Electrical properties 76&77 (1988) 231
Electrical resistivity 76&77 (1988) 153, 171, 173, 223, 226, 233, 235, 247, 249, 260, 269, 283
Electron-spin resonance 76&77 (1988) 469, 481
– Gd^{3+} 76&77 (1988) 444
Electronic excitation 76&77 (1988) 353
Electronic spectrum 76&77 (1988) 324
Electronic structure 76&77 (1988) 345, 359, 579, 597
Energy gap 76&77 (1988) 87, 156, 478, 561
$Er_2Fe_{14}B$ 76&77 (1988) 408
$ErNi_5$ 76&77 (1988) 187
$EuBa_2Cu_3O$ 76&77 (1988) 591
$EuBa_2Cu_3O_6$ 76&77 (1988) 591, 621
$EuBa_2Cu_3O_7$ 76&77 (1988) 612
$EuBa_2(Cu_{0.94}Zn_{0.06})O_7$ 76&77 (1988) 591
$EuCu_2Si_2$ 76&77 (1988) 345
$(Eu_{1-x}Pr_x)Ba_2Cu_3O_7$ 76&77 (1988) 591
Excitations 76&77 (1988) 85
Excitons 76&77 (1988) 399

Fermi liquid 76&77 (1988) 356, 385
Fermi surface 76&77 (1988) 1, 11, 46, 218

γ-Ce 76&77 (1988) 30
Gauge theory, local 76&77 (1988) 576
$Gd^{3+}Ba_2Cu_3O_7$ 76&77 (1988) 612
Ginzburg–Landau approach 76&77 (1988) 507
Ground state 76&77 (1988) 59, 65, 185, 585
– normal 76&77 (1988) 105
– superconducting 76&77 (1988) 65, 484, 487, 492, 499, 561
Grüneisen parameter 76&77 (1988) 147, 299, 315
Gutzwiller ansatz 76&77 (1988) 568

Hall effect 76&77 (1988) 201, 221, 229, 238, 243, 267
^3He 76&77 (1988) 487
Heating model 76&77 (1988) 335
Heavy fermions 76&77 (1988) 11, 40, 83, 91, 112, 115, 121, 123, 125, 131, 145, 150, 153, 168, 173, 179, 193, 223, 226, 233, 257, 281, 287, 289, 305, 315, 317, 331, 335, 343, 347, 371, 385, 420, 444, 449, 455, 465, 467, 473, 481, 492, 504, 513, 517, 520, 542, 552, 619, 631, 637, 647, 650, 655
– superconductivity 76&77 (1988) 218, 499, 510, 523, 527, 531, 536, 539
Heavy quasi-particle dispersion 76&77 (1988) 77
Heusler structure 76&77 (1988) 281
HfNiSn 76&77 (1988) 295
High pressure 76&77 (1988) 241, 257, 340, 647
High-T_C superconductivity 76&77 (1988) 527, 542, 547, 552, 561, 576, 579, 591, 597, 599, 601, 612, 623, 651
$HoBa_2Cu_3O_7$ 76&77 (1988) 607, 612
Hybridization 76&77 (1988) 75, 89, 231, 426, 469, 571
Hyperfine enhancement 76&77 (1988) 247

Impurities 76&77 (1988) 533
Impurity mode 76&77 (1988) 399
Impurity resonant scattering 76&77 (1988) 499
Incommensurate phase 76&77 (1988) 363
Inelastic neutron scattering 76&77 (1988) 305, 391, 396, 408, 413, 415, 426, 441, 594, 607
Intermultiplet transitions 76&77 (1988) 391
Inverse photoemission (BIS) 76&77 (1988) 97, 353
Isotropic singlet pairing 76&77 (1988) 510

Knight shift 76&77 (1988) 449
Kondo anomaly 76&77 (1988) 105
Kondo bosons 76&77 (1988) 343
Kondo effect 76&77 (1988) 53, 121, 165, 245, 260, 265, 411, 423
Kondo interaction 76&77 (1988) 131, 176, 275
Kondo lattice 76&77 (1988) 35, 119, 143, 153, 156, 226, 278, 317, 347, 350, 401, 420
Kondo regime 76&77 (1988) 46
Kondo resonance 76&77 (1988) 77
Kondo state 76&77 (1988) 87, 287
Kondo systems 76&77 (1988) 73, 226, 238

$LaAg_3Al_2$ 76&77 (1988) 653
$LaAg_6Al_5$ 76&77 (1988) 653
$La_2Ag_{9.7}Al_{7.3}$ 76&77 (1988) 653
$LaAl_2$ 76&77 (1988) 520
LaB_6 76&77 (1988) 37, 46
$La_{2-x}Ba_xCuO_4$ 76&77 (1988) 599, 601
$LaCeAl_2$ 76&77 (1988) 249

$La_{1-x}Ce_xInCu_2$ 76&77 (1988) 135
$LaCu_6$ 76&77 (1988) 642
$La_{2-x}CuO_{4-\delta}$ 76&77 (1988) 552
La_2CuO_4 76&77 (1988) 601, 621
$LaMn_2Ge_2$ 76&77 (1988) 189
LaNiAl 76&77 (1988) 653
$LaNi_2Al_3$ 76&77 (1988) 653
LaPtIn 76&77 (1988) 133
$LaPt_2Si_2$ 76&77 (1988) 401
$LaRh_3B_2$ 76&77 (1988) 347
$LaRu_2Si_2$ 76&77 (1988) 260
$(La_{1-x}Sr_x)_2CuO_4$ 76&77 (1988) 527
$La_{2-x}Sr_xCuO_4$ 76&77 (1988) 547, 552, 599, 601, 604
Lattice defect 76&77 (1988) 642
$Li_{1-x}CaCu_3O_{5+x}$ 76&77 (1988) 651
$LiCuO_2$ 76&77 (1988) 651
$LiReO_6$ 76&77 (1988) 651
Local Coulomb interactions 76&77 (1988) 70
Local gauge theory 76&77 (1988) 576
Low temperature specific heat 76&77 (1988) 484

Madelung factor 76&77 (1988) 621
Magnetic entropy 76&77 (1988) 133
Magnetic excitation 76&77 (1988) 413, 415, 417
Magnetic order 76&77 (1988) 65, 89, 112, 131, 150, 182, 185, 255, 403, 405, 437, 439, 465, 473, 523, 617, 637
Magnetic properties 76&77 (1988) 179, 231, 319, 467, 539, 650
Magnetism 76&77 (1988) 289, 462
– frustrated 76&77 (1988) 455
Magnetoacoustic properties 76&77 (1988) 305, 315
Magnetoresistance 76&77 (1988) 97, 218, 243, 289, 484
Magnetostriction 76&77 (1988) 93, 97, 138, 299, 612
Magnons 76&77 (1988) 417
Mean-field treatment 76&77 (1988) 83
$MgCu_2O_3$ 76&77 (1988) 651
$MgYb_2S_4$ 76&77 (1988) 199
$MgYb_2Se_4$ 76&77 (1988) 199
MnNiSb 76&77 (1988) 637
Molecular field 76&77 (1988) 189, 191, 542
Monte Carlo calculations
– variational 76&77 (1988) 542

$NaUO_5$ 76&77 (1988) 651
Nd 76&77 (1988) 391
NdB_6 76&77 (1988) 37
Nd_2Co_{17} 76&77 (1988) 182
$NdCo_2Ge_2$ 76&77 (1988) 179
$NdCu_6$ 76&77 (1988) 37, 163
$Nd_2Fe_{14}B$ 76&77 (1988) 408
$NdMn_2Ge_2$ 76&77 (1988) 189
Neptunium intermetallics 76&77 (1988) 650
NEXAFS 76&77 (1988) 591
$NpBe_{13}$ 76&77 (1988) 650
$NpIr_2$ 76&77 (1988) 650
$NpOs_2$ 76&77 (1988) 650
$NpRu_2$ 76&77 (1988) 650
Nuclear magnetic resonance (NMR) 76&77 (1988) 449, 465, 467, 471, 478, 517, 527
Nuclear order 76&77 (1988) 247
Nuclear quadrupole resonance (NQR) 76&77 (1988) 599
Nuclear spin diffusion 76&77 (1988) 530

Optical properties 76&77 (1988) 542
Oxides 76&77 (1988) 582, 591, 651

Pair breaking 76&77 (1988) 520, 619
Pairing mechanism 76&77 (1988) 53, 59
PdPr 76&77 (1988) 249
Perturbation theory
– self-consistent 76&77 (1988) 176
Phase diagram of $U_{1-x}Th_xBe_{13}$ 76&77 (1988) 487, 492, 499, 536
Poisson ratios 76&77 (1988) 604
Polaron effect 76&77 (1988) 571
Pr 76&77 (1988) 391
Pr compounds 76&77 (1988) 257
$Pr_2Ag_{10}Al_7$ 76&77 (1988) 653
$Pr_3Ag_{3.1}Al_{5.9}$ 76&77 (1988) 653
$Pr_6Ag_{13}Al_{10}$ 76&77 (1988) 653
PrB_6 76&77 (1988) 37, 46
$PrCu_6$ 76&77 (1988) 37
$Pr_{0.95}Er_{0.05}$ 76&77 (1988) 399
Pr_3Tl 76&77 (1988) 247
Pt 76&77 (1988) 233

Quadrupole 76&77 (1988) 53, 93, 319, 475
Quadrupole splitting 76&77 (1988) 475
Quasiparticle interaction 76&77 (1988) 343

Rare earth compounds 76&77 (1988) 401, 594, 645
– $R_3Bi_4Pt_3$ 76&77 (1988) 637
– RFe_4P_{12} 76&77 (1988) 637
Rare earth–transition element systems 76&77 (1988) 653
Relaxation 76&77 (1988) 187, 462, 530
– magnetic 76&77 (1988) 420
– nuclear 76&77 (1988) 449
Resistivity scaling 76&77 (1988) 257
Resonance, heavy particle 76&77 (1988) 77
Resonant valence bond theory 76&77 (1988) 542
Resonating valence bond state 76&77 (1988) 576

Scaling 76&77 (1988) 123
Scaling law 76&77 (1988) 138
Scattering
– inelastic neutron 76&77 (1988) 408, 413, 415, 426, 441, 594, 607

– light 76&77 (1988) 331
– neutron 76&77 (1988) 399, 401, 403
Selection rules 76&77 (1988) 75
SmB_6 76&77 (1988) 156, 312
$SmBa_2Cu_3O_7$ 76&77 (1988) 612
Sm_3Se_4 76&77 (1988) 117, 297
Specific heat 76&77 (1988) 35, 40, 91, 105, 112, 115, 117, 123, 125, 128, 133, 135, 156, 163, 168, 171, 191, 197, 223, 233, 281, 295, 337, 471, 510, 525, 601, 617
– Mössbauer 76&77 (1988) 473, 615, 623
Spectroscopy
– Mössbauer 76&77 (1988) 473, 615, 623
– muon spin rotation 76&77 (1988) 455
– neutron 76&77 (1988) 391
– photoemission 76&77 (1988) 359
– point-contact 76&77 (1988) 335, 337
– time-domain (TDS) 76&77 (1988) 297
– X-ray emission 76&77 (1988) 91
– X-ray photoemission 76&77 (1988) 345
Spin-density-wave 76&77 (1988) 83, 515
Spin flopping 76&77 (1988) 163
Spin fluctuation 76&77 (1988) 331
Spin freezing phenomena 76&77 (1988) 275
Spin glass 76&77 (1988) 539
Spin liquid 76&77 (1988) 504
Spin reorientation 76&77 (1988) 408
Superconducting coexistence 76&77 (1988) 515
Superconducting symmetry transition 76&77 (1988) 487
Superconductivity 76&77 (1988) 213, 243, 359, 385, 449, 504, 507, 513, 515, 520, 525, 530, 571, 573, 609, 615, 619
– high-T_c 76&77 (1988) 527, 542, 547, 552, 561, 576, 579, 591, 597, 599, 601, 612, 623, 651
– unconventional 76&77 (1988) 487, 492
Susceptibility
– dynamical 76&77 (1988) 396
– magnetic 76&77 (1988) 117, 125, 141, 161, 168, 171, 173, 193, 195, 226, 283, 353, 366, 626
Symmetrical function 76&77 (1988) 83

$TbCu_2$ 76&77 (1988) 191
Ternary compounds 76&77 (1988) 403, 653
Ternary copper oxide 76&77 (1988) 621
Thermal expansion 76&77 (1988) 145, 150, 197, 319
Thermopower 76&77 (1988) 263, 287
$ThFe_4Al_8$ 76&77 (1988) 439
Th_3P_4 76&77 (1988) 637
$ThPt_3$ 76&77 (1988) 171
$ThSiO_4$ 76&77 (1988) 363
$Th_{1-x}U_xPt_3$ 76&77 (1988) 171
Time domain spectroscopy (TDS) 76&77 (1988) 297
TiNiSn 76&77 (1988) 295
$Tl_{2-x}Ba_2CaCu_2O_{8+\delta}$ 76&77 (1988) 552
$Tl_2Ba_2CaCu_2O_{8+\delta}$ 76&77 (1988) 527
$Tl_{2-x}Ba_2Ca_2Cu_3O_{9+\delta}$ 76&77 (1988) 552
$Tl_{2-x}Ba_2Ca_2Cu_3O_{10+\delta}$ 76&77 (1988) 552
$Tl_{2-x}Ba_2CuO_{8+\delta}$ 76&77 (1988) 552
TlCeS 76&77 (1988) 195
$TlCeSe_2$ 76&77 (1988) 195
$TlCeTe_2$ 76&77 (1988) 195
$TlIn_{1-x}Ce_xS$ 76&77 (1988) 195
$TlIn_{1-x}Ce_xSe$ 76&77 (1988) 195
$TlIn_{1-x}Ce_xTe$ 76&77 (1988) 195
Tl_2S 76&77 (1988) 195
TlSe 76&77 (1988) 195
Tl_2Se 76&77 (1988) 195
Tl_2Te 76&77 (1988) 195
Tm 76&77 (1988) 176
$TmBa_2Cu_3O_{6.6}$ 76&77 (1988) 615
$TmBa_2Cu_3O_{6.9}$ 76&77 (1988) 615
$TmBa_2Cu_3O_7$ 76&77 (1988) 612
$TmCu_2$ 76&77 (1988) 197
$TmNi_5$ 76&77 (1988) 187
Transition
– intermultiplet 76&77 (1988) 391
– metal–insulator 76&77 (1988) 213
– metamagnetic 76&77 (1988) 138, 143, 265, 484
Transition metal systems
– $Ce_3T_4S_{13}$ 76&77 (1988) 637
Transport properties 76&77 (1988) 221, 241, 278, 295, 533, 642
Tunneling 76&77 (1988) 37, 245, 347, 561
Two band model 76&77 (1988) 568, 573
Two impurity model 76&77 (1988) 568, 573
Two phase model of $U_{1-x}Th_x$-Be_{13} 76&77 (1988) 492

UAl_2 76&77 (1988) 637
UAl_3 76&77 (1988) 171
UAu 76&77 (1988) 353
UAu_3 76&77 (1988) 233, 655
UBe_{13} 76&77 (1988) 105, 123, 207, 235, 241, 243, 324, 331, 449, 487, 492, 513, 525
UCd_{11} 76&77 (1988) 437, 455
UCl_4 76&77 (1988) 363
U_6Co 76&77 (1988) 359, 449
UCu_5 76&77 (1988) 226, 455
$UCu_{4.5}Al_{7.5}$ 76&77 (1988) 193, 439
UCu_2P_2 76&77 (1988) 366
$UCu_{5-x}Pd_x$ 76&77 (1988) 226
U_6Fe 76&77 (1988) 359
UFe_4Al_8 76&77 (1988) 439
UFe_6Al_6 76&77 (1988) 439

$U_{0.99}Gd_{0.01}Be_{13}$ 76&77 (1988) 530
UGe_3 76&77 (1988) 324
$UInAu_2$ 76&77 (1988) 231
$UInPt_2$ 76&77 (1988) 231
UIr_3 76&77 (1988) 324
UIr_2Ge_2 76&77 (1988) 631
UIr_2Si_2 76&77 (1988) 631
$U_{1-x}LaBe_{13}$ 76&77 (1988) 520
Ultrasonic attenuation 76&77 (1988) 305, 312, 321, 441
U_6Mn 76&77 (1988) 359
Unconventional superconductivity 76&77 (1988) 487, 492
U_6Ni 76&77 (1988) 359
UNi(Al,Ga) 76&77 (1988) 89
UNiSn 76&77 (1988) 637
UO_2 76&77 (1988) 331
UPd_3 76&77 (1988) 324, 426
$U(Pd_{0.75}Pt_{0.25})_3$ 76&77 (1988) 426
UPt_3 76&77 (1988) 105, 123, 147, 171, 207, 218, 221, 223, 229, 233, 241, 299, 324, 335, 385, 441, 449, 455, 484, 487, 492, 507, 513, 517, 531, 637, 642
UPt_5 76&77 (1988) 91, 226
$U(Pt,Pd)_3$ 76&77 (1988) 631
UPt_3Au_2 76&77 (1988) 226
$U(Pt_{1-x}Au_x)_3$ 76&77 (1988) 233
UPt_4Au 76&77 (1988) 91, 226
– band structure 76&77 (1988) 91
$UPt_{5-x}Au_x$ 76&77 (1988) 226
UPt_3B_x 76&77 (1988) 631
UPt_3C_x 76&77 (1988) 631
UPt_4Ir 76&77 (1988) 91
UPt_4Pd 76&77 (1988) 226
$U(Pt_{0.95}Pd_{0.05})_3$ 76&77 (1988) 229
$U(Pt_{1-x}Pd_x)_3$ 76&77 (1988) 223, 233
$UPt_{5-x}(Pd,Au)_x$ 76&77 (1988) 226
$U_{1-x}(Pt_{1-y}Pd_y)_3:Er_x$ 76&77 (1988) 481
$U_{1-x}(Pt_{1-y}Pd_y)_3:Yb_x$ 76&77 (1988) 481
UPt_4Pt 76&77 (1988) 91
UPt_2Si_2 76&77 (1988) 435
Uranium compounds 76&77 (1988) 366
URhAl 76&77 (1988) 631
URh_2Ge_2 76&77 (1988) 631
U(Ru,Rh)Al 76&77 (1988) 89
U(Ru,Rh)Ga 76&77 (1988) 89
URuAl 76&77 (1988) 89, 631
URuGa 76&77 (1988) 89
URu_7Ge_6 76&77 (1988) 631
$U(Ru_{1-x}Rh_x)_2Si_2$ 76&77 (1988) 168
URu_2Si_2 76&77 (1988) 168, 315, 324, 371, 403, 449, 455, 517, 637
USb 76&77 (1988) 432
USi_3 76&77 (1988) 324
$USnAu_2$ 76&77 (1988) 231
$USnPt_2$ 76&77 (1988) 231
UTe 76&77 (1988) 432
$U_{0.977}Th_{0.033}Be_{13}$ 76&77 (1988) 455
$U_{0.982}Th_{0.0172}Be_{13}$ 76&77 (1988) 235
$U_{1-x}Th_xBe_{13}$ 76&77 (1988) 235, 385, 487, 492, 499, 513, 520, 536
– Phase diagram 76&77 (1988) 487
– two phase model 76&77 (1988) 492
$U_{1-x}Th_xPt_3$ 76&77 (1988) 233
UTX compounds 76&77 (1988) 89
$U_xY_{1-x}Al_2$ 76&77 (1988) 324
$U_xY_{1-x}B_4$ 76&77 (1988) 324
$U_{1-x}Y_xBe_{13}$ 76&77 (1988) 520
UZn_{17} 76&77 (1988) 105, 324, 371, 455

Valence 76&77 (1988) 91
Valence fluctuations 76&77 (1988) 46, 87, 159, 176, 179, 249, 283, 287, 291, 297, 305, 312, 340, 345, 403, 444, 481, 552, 604, 645
Valence phase transition 76&77 (1988) 291
Van Vleck formula 76&77 (1988) 193

Whiskers 76&77 (1988) 631

X-ray photoemission spectroscopy 76&77 (1988) 91, 345

$YBa_2(Cu_{1-x}Fe_x)_3O_{7-\delta}$ 76&77 (1988) 623
$YBa_2(Cu_{1-x}Ni_x)_3O_{7-\delta}$ 76&77 (1988) 533, 536
$YBa_2Cu_2O_x$ 76&77 (1988) 213
$YBa_2Cu_3O_7$ 76&77 (1988) 536, 579, 589, 591, 597, 604, 609, 612
– band structure of 76&77 (1988) 579
$YBa_2Cu_3O_{7-\delta}$ 76&77 (1988) 527, 547, 552, 561, 626
$YBa_2(Cu_{1-x}Zn_x)_3O_{7-\delta}$ 76&77 (1988) 533, 536
$YbAl_2$ 76&77 (1988) 324
$YbAl_3$ 76&77 (1988) 324
YbAs 76&77 (1988) 473
YbB_{12} 76&77 (1988) 156
$YbCu_{4.5}$ 76&77 (1988) 637
$YbCu_5$ 76&77 (1988) 637
$YbCu_2Si_2$ 76&77 (1988) 475
$Yb_xIn_{1-x}Cu_2$ 76&77 (1988) 159, 291
$Yb_xLu_{1-x}B_{12}$ 76&77 (1988) 156
YbNiSn 76&77 (1988) 278
YbP 76&77 (1988) 473
$YbPd_2Si_2$ 76&77 (1988) 289, 471
YbSb 76&77 (1988) 473
$Y_{1-x}Ce_xInCu_2$ 76&77 (1988) 135
$Y_2Fe_{14}B$ 76&77 (1988) 408
$Y_{1-x}Pr_xBa_2Cu_3O_7$ 76&77 (1988) 619
Ytterbium spinel 76&77 (1988) 199
$Y_{1-x}U_xPd_3$ 76&77 (1988) 324

ZrNiAl 76&77 (1988) 89
ZrNiSn 76&77 (1988) 295
ZrPrIr 76&77 (1988) 249

CONTENTS

Preface vii

1. Fermi surface and bond structure

Lonzarich, G.G.
Magnetic oscillations and the quasiparticle bands of heavy electron systems (*Invited paper*) 1

Springford, M. and P.H.P. Reinders
Heavy quasiparticles in cerium compounds studied using the dHvA effect (*Invited paper*) 11

Zwicknagl, G.
Towards a better understanding of low-energy excitations in heavy-fermion systems (*Invited paper*) 16

Christensen, N.E., O.K. Andersen, O. Gunnarsson and O. Jepsen
Density functional calculations of Fermi surfaces of normal and heavy-electron metals (*Invited paper*) 23

Gunnarsson, O., N.E. Christensen and O.K. Andersen
Density functional calculations for 4f-electron systems: hopping matrix elements for the Anderson model (*Invited paper*) 30

Müller, T., W. Joss, J. van Ruitenbeek, U. Welp, P. Wyder and Z. Fisk
Magnetic field dependence of the many-body enhancement on the Fermi surface of CeB_6 35

Önuki, Y., Y. Kurosawa, T. Omi, T. Komatsubara, R. Yoshizaki, H. Ikeda, K. Maezawa, S. Wakabayashi, A. Umezawa, W.K. Kwok and G.W. Crabtree
Fermi surface and cyclotron mass in RB_6 and RCu_6 37

Kitazawa, H., Y.S. Kwon, A. Oyamada, N. Takeda, H. Suzuki, S. Sakatsume, T. Satoh, T. Suzuki and T. Kasuya
Heavy hole state in CeSb 40

Langford, H.D. and W.M. Temmerman
The Fermi surface and bonding properties of the heavy fermion compound CeB_6 43

2. Ground state

Kasuya, T., O. Sakai, H. Harima and M. Ikeda
Consistent treatment of high and low frequency phenomena in Kondo and VF systems (*Invited paper*) 46

Cox, D.L.
The quadrupolar Kondo effect: a new mechanism for heavy electrons (*Invited paper*) 53

Shiba, H. and M. Ogata
Numerical studies of the ground state of strongly correlated electron systems (*Invited paper*) 59

Keiter, H.
Low temperature properties of the Anderson lattice (*Invited paper*) 65

Zlatić, V., A.A. Aligia and D. Schulz
Electronic properties of the periodic Anderson model 70

Levy, P.M. and S.-f. Zhang
Anistropic mixing in Kondo systems 73

Schmidt, H.J. and E. Müller-Hartmann
Selection rules for hybridization 75

Schweitzer, H. and G. Czycholl
Standard perturbation treatment of the periodic Anderson model 77

Lee, K.-J.-B., J.W. Rasul and P. Schlottmann
Exactly soluble generalized Anderson model as a variant of the two-impurity problem 80

Gulácsi, M. and Zs. Gulácsi
Complete symmetry functions for anisotropic spin-density waves 83

Thomas, M. and L. Kowalewski
Mechanism of continuous magnetic phase transition in CeX (X = Bi, As, P) 85

Takabatake, T., Y. Nakazawa, M. Ishikawa, T. Sakakibara, K. Koga and I. Oguro
Transition from valence-fluctuating state with a gap to magnetic Kondo state in $CeNi_{1-x}Cu_xSn$ 87

Havela, L., V. Sechovsky, F.R. de Boer, E. Brück, P.A. Veenhuizen, J.B. Bouwer and K.H.J. Buschow
The development towards heavy-fermion ground state in UTX compounds 89

Quitmann, C., B. Andraka, J.S. Kim, B. Treadway, G. Frauenberger, G.R. Stewart and J. Sticht
Understanding the formation of a heavy fermion ground state in UPt_4Au 91

Wohlleben, D.
Demagnetization of local moments by lattice degrees of freedom 93

3. Thermodynamic properties

Mignot, J.-M., J. Flouquet, P. Haen, F. Lapierre, L. Puech and J. Voiron
Metamagnetic $CeRu_2Si_2$: new perspectives for heavy-fermion studies in high fields (*Invited paper*) 97

Rietschel, H., B. Renker, R. Felten, F. Steglich and G. Weber
Crystal-field effects and f-derived specific heats in heavy-fermion compounds (*Invited paper*) 105

De Visser, A., P. Haen, T. Vorenkamp, M. van Sprang, A.A. Menovsky and J.J.M. Franse

Low-temperature resistivity measurements of heavy-fermion $U(Pt,Pd)_3$ alloys 112
Marcenat, C., R.A. Fisher, N.E. Phillips and J. Flouquet
Comparison of the specific heat of heavy fermion cerium compounds 115
Furuno, T., K. Ando, S. Kunii, A. Ochiai, H. Suzuki, M. Fujioka, T. Suzuki, W. Sasaki and T. Kasuya
Physical properties of Sm_3Se_4 at low temperatures 117
Ōnuki, Y., Y. Nakai, T. Omi, T. Yamazaki and T. Komatsubara
Metamagnetic behavior in Ce-Kondo lattice compounds 119
Okiji, A., N. Kawakami and T. Usuki
Magnetization curve for the heavy fermion compounds $CeAl_3$ and $CeCu_2Si_2$ 121
Souletie, J., J.P. Brison, A. de Visser and J. Odin
Static scaling in heavy fermions 123
Bauer, E., E. Gratz, N. Pillmayr, D. Gignoux, D. Schmitt, K. Winzer and J. Kohlmann
Heavy fermion behaviour driven by a substitution of Cu by Al or Ga in $CeCu_5$ 125
Satoh, K., T. Fujita, Y. Maeno, Y. Ōnuki and T. Komatsubara
Low-temperature specific heat of $Ce_xLa_{1-x}Cu_6$ in magnetic field 128
Bauer, E., E. Gratz, N. Pillmayr, D. Gignoux and D. Schmitt
Heavy fermion behaviour in $Ce(Cu_xGa_{1-x})_2$ 131
Fujita, T., K. Satoh, Y. Maeno, Y. Uwatoko and H. Fujii
Specific heat of a dense-Kondo compound CePtIn 133
Najib, A., J. Pierre, M.J. Besnus, P. Haen, A.P. Murani and E. Siaud
Correlations in heavy fermions close to magnetic instability: $CeInCu_2$ 135
Lacerda, A., A. de Visser, L. Puech, P. Lejay and P. Haen
Magnetostriction of $(Ce,La)Ru_2Si_2$ alloys 138
Rahman, S., J.E. Crow, T. Mihalisin and P. Schlottmann
Localized f-electron antiferromagnetism, heavy fermion behavior and mixed valence in $Ce(Tl_{1-x}M_x)_3$ with M = Sn and Pb 141
Haen, P., F. Lapierre, J.P. Kappler, P. Lejay, J. Flouquet and A. Meyer
Magnetization of $(Ce,La)Ru_2Si_2$ and $(Ce,Y)Ru_2Si_2$ single crystals 143
Oomi, G., K. Takahashi, F.J. Ohkawa, Y. Ōnuki and T. Komatsubara
Thermal expansion of single crystalline $CeCu_6$ 145
Franse, J.J.M., M. van Sprang, E. Louis, K. Kadowaki and A. de Visser
Analysis of thermodynamic properties of UPt_3 by means of Grüneisen relations 147
Böhm, A., R. Caspary, U. Habel, L. Pawlak, A. Zuber, F. Steglich and A. Loidl
Thermodynamic properties of the ternary compounds CeM_2Ge_2 150
Sparn, G., R. Caspary, U. Gottwick, A. Grauel, U. Habel, M. Lang, M. Nowak, R. Schefzyk, W. Schiebeling, H. Spille, M. Winkelmann, A. Zuber, F. Steglich and A. Loidl
Heavy fermion effects in $Ce(Cu_{1-x}Ni_x)_2Ge_2$ 153
Iga, F., M. Kasaya and T. Kasuya
Specific heat measurements of YbB_{12} and $Yb_xLu_{1-x}B_{12}$ 156
Müller, H., E. Bauer, E. Gratz, K. Yoshimura, T. Nitta and M. Mekata
Temperature induced valence transition in $(Yb_xIn_{1-x})Cu_2$ ($x = 0.35, 0.50, 0.55$) 159
Isikawa, Y., K. Mori, H. Takeda, I. Umehara, K. Sato, Y. Ōnuki and T. Komatsubara
Crystalline-field effect in the intermetallic compound $SmCu_2$ 161
Takayanagi, S., M. Shibata, N. Wada, T. Watanabe, Y. Ōnuki and T. Komatsubara
Successive phase transitions in metamagnetic $NdCu_6$ 163
Veenhuizen, P.A., J.B. Bouwer, F.R. de Boer and P.F. de Châtel
Specific heat and high field magnetoresistivity of $Ce(Pd_{1-x}Ag_x)_3$ 165
Amitsuka, H., K. Hyomi, T. Nishioka, Y. Miyako and T. Suzuki
Specific heat and susceptibility of $U(Ru_{1-x}Rh_x)_2Si_2$ 168
Chilton, J.A., B.R. Coles, M.J. Mortimer and R.O.A. Hall
Low temperature behaviour and spin fluctuations in UPt_3 alloys 171
Lees, M.R. and B.R. Coles
Effects of alloying on Ce heavy fermion compounds 173
Saso, T.
Susceptibility of mixed valent Tm impurities 176
Fujii, H., E. Ueda, Y. Uwatoko and T. Shigeoka
Magnetic properties of $CeCo_2Ge_2$ and $NdCo_2Ge_2$ single crystals 179
Radwański, R.J., J.J.M. Franse, S. Sinnema, H.J.M. Heerooms and J.H.P. Colpa
Magnetocrystalline anisotropy and magnetic structure of Nd_2Co_{17} 182
Kappler, J.P., G. Schmerber and J.G. Sereni
Cerium magnetic behaviour in Ce(Pd, M) with M = Co, Ni, Rh, Ir, Pt, Cu, Ag and Au 185
Gubbens, P.C.M., A.M. van der Kraan and K.H.J. Buschow
Crystal field influence on the magnetic properties of RNi_5 compounds 187
Shigeoka, T., N. Iwata and H. Fujii
Crystal field in $NdMn_2Ge_2$ 189
Kimura, T., N. Iwata, T. Ikeda and T. Shigeoka
Heat capacities of $TbCu_2$ and $DyCu_2$ compounds 191
Baran, A.
Crystal field model applied to $UCu_{4.5}Al_{7.5}$-nearly heavy fermion compound 193
Duczmal, M. and L. Pawlak
The crystal field influence on magnetic susceptibilities of $TlCeSe_2$ and $TlCeTe_2$ 195

Zajac, Š., M. Diviš, V. Šíma and Z. Smetana
Crystal field in $TmCu_2$ compound 197
Pawlak, L., M. Duczmal and A. Zygmunt
Magnetic properties and crystal field in $MgYb_2S_4$ and $MgYb_2Se_4$ spinels 199

4. Transport properties

Milliken, F.P., T. Penney, F. Holtzberg and Z. Fisk
Observation of a coherent quasiparticle band in the periodic heavy fermion system $CeCu_6$ (*Invited paper*) 201
Beyermann, W.P., A.M. Awasthi, J.P. Carini and G. Grüner
Frequency dependent transport in heavy fermion systems (*Invited paper*) 207
Moshchalkov, V.V.
Heavy fermions in the coherent regime and localization effects in high T_c superconductors (*Invited paper*) 213
Taillefer, L., J. Flouquet and W. Joss
High-field magnetoresistance of UPt_3 218
Hamzić, A. and A. Fert
Hall effect in heavy fermion systems 221
Odin, J., E. Bucher, A.A. Menovsky, L. Taillefer and A. de Visser
Low-temperature anomalies in the specific heat of heavy-fermion UPt_3 223
Troć, R. and V.H. Tran
Magnetic and transport properties of the alloyed heavy fermion systems $UPt_{5-x}(Pd, Au)_x$ 226
Van Sprang, M., R.A. Boer, A.J. Riemersma, L.W. Roeland, A. Menovsky, J.J.M. Franse and J. Schoenes
Hall effect of single-crystalline $U(Pt, Pd)_3$ in high magnetic fields 229
Żołnierek, Z.
Hybridization effects with nearest and next nearest neighbours in $U(In, Sn)(Au, Pt)_2$ compounds 231
Kadowaki, K., J.C.P. Klaasse and J.J.M. Franse
Electrical and magnetic properties of $U(Pt_{1-x}Au_x)_3$ $(0 \leqslant x \leqslant 1)$ 233
Borges, H.A., J.D. Thompson, M.C. Aronson, J.L. Smith and Z. Fisk
Electrical resistivity of $U_{1-x}M_xBe_{13}$ under pressure 235
Levy, P.M. and A. Fert
Effect of crystal field on Hall effect in Kondo systems 238
Mao, S.Y., D. Jaccard, J. Sierro, Z. Fisk and J.L. Smith
Pressure emergence of magnetic ordering in UBe_{13} 241
Brison, J.P., A. Briggs, J. Flouquet, F. Lapierre, Z. Fisk and J.L. Smith
Magnetoresistivity and Hall experiments on UBe_{13} 243
Okiji, A., N. Kawakami and A. Nakamura
Resistivity and thermopower for the Ce-Kondo system in the crystalline field 245
Ishii, H.
Electrical resistivity in intermetallic compounds with singlet crystalline field ground state 247
Ślebarski, A., E. Zipper and M. Drzazga
Resistivity anomalies due to charge fluctuations of Ce and Pr impurities 249
Brenig, W. and K.W. Becker
Quasiparticle interaction induced damping of low-energy optical plasmons in heavy-fermion systems 252
Jaccard, D., R. Cibin, A. Bezinge, J. Sierro, K. Matho and J. Flouquet
Resistivity and susceptibility measurements on single crystalline $CeAl_3$ 255
Yomo, S., L. Gao, R.L. Meng, P.H. Hor, C.W. Chu and J. Susaki
Electrical resistivity of $CeCu_6$ under high pressure 257
Djerbi, R., P. Haen, F. Lapierre, P. Lehmann and J.P. Kappler
Electrical resistivity of $(Ce, La)Ru_2Si_2$ alloys 260
Amato, A., D. Jaccard, J. Sierro, F. Lapierre, P. Haen, P. Lejay and J. Flouquet
Thermopower and magneto-thermopower of $CeRu_2Si_2$ single crystals 263
Djerbi, R., P. Haen, F. Lapierre and J.-M. Mignot
Magnetoresistance of $(Ce, La)Ru_2Si_2$ alloys 265
Djerbi, R., P. Haen, F. Lapierre, J.-M. Mignot, A. Fert, A. Hamzić and J.P. Kappler
Influence of Y and La alloying on the anomalous Hall effect of $CeRu_2Si_2$ 267
Marsolais, R.M., C. Ayache, D. Schmitt, A.K. Bhattacharjee and B. Coqblin
Anisotropic resistivity of $CePt_2Si_2$ 269
Aliev, F.G., N.B. Brandt, M.K. Zalalutdinov, V.V. Moshchalkov and V. Kovacik
Hall effect and magnetotransport of $CeAl_3$ under pressure 272
Gratz, E., E. Bauer, R. Hauser, N. Pillmayr, G. Hilscher, H. Müller and B. Barbara
Influence of Cu and Ni substitution on the Kondo compound $CeAl_2$ 275
Kasaya, M., T. Tani, F. Iga and T. Kasuya
Electrical resistivity, Hall constant and magnetic susceptibility in the Kondo states $Ce(Ni_{1-x}Pd_x)Sn$ and YbNiSn 278
Takayanagi, S., S.B. Woods, N. Wada, T. Watanabe, Y. Ōnuki, A. Kobori, T. Komatsubara, M. Imai and H. Asano
Magnetic and transport properties in the cubic heavy fermion system $CeInCu_2$ 281
Booysen, R.G. and P. de V. du Plessis
Anomalous resistivity of CeIn 283
Flouquet, J., P. Haen, F. Lapierre, C. Fierz, A. Amato and D. Jaccard
Residual resistivity in cerium heavy fermion compounds 285
Sakurai, J., H. Kamimura and Y. Komura
Thermoelectric power of $Ce(Pb_{1-x}Sn_x)_3$ 287